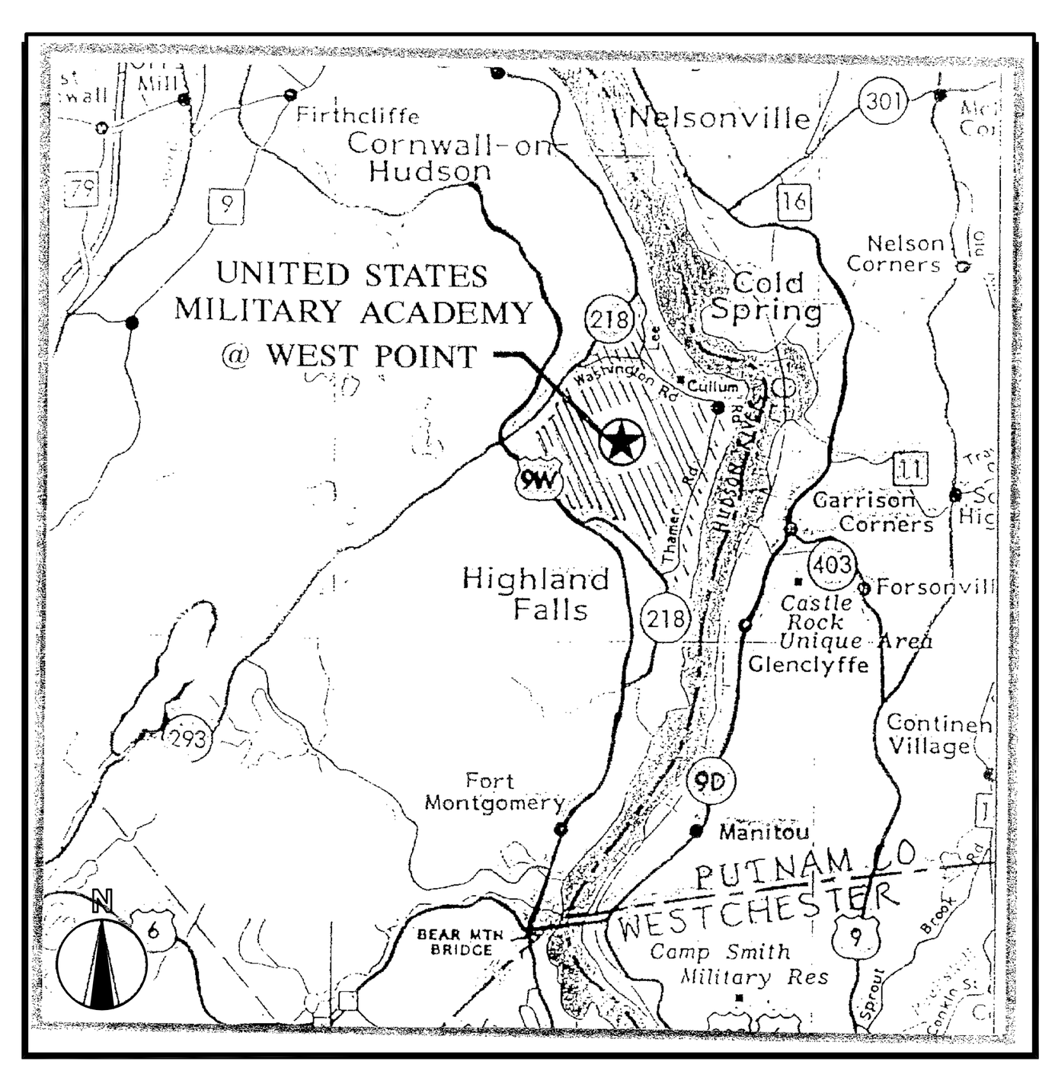
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10003

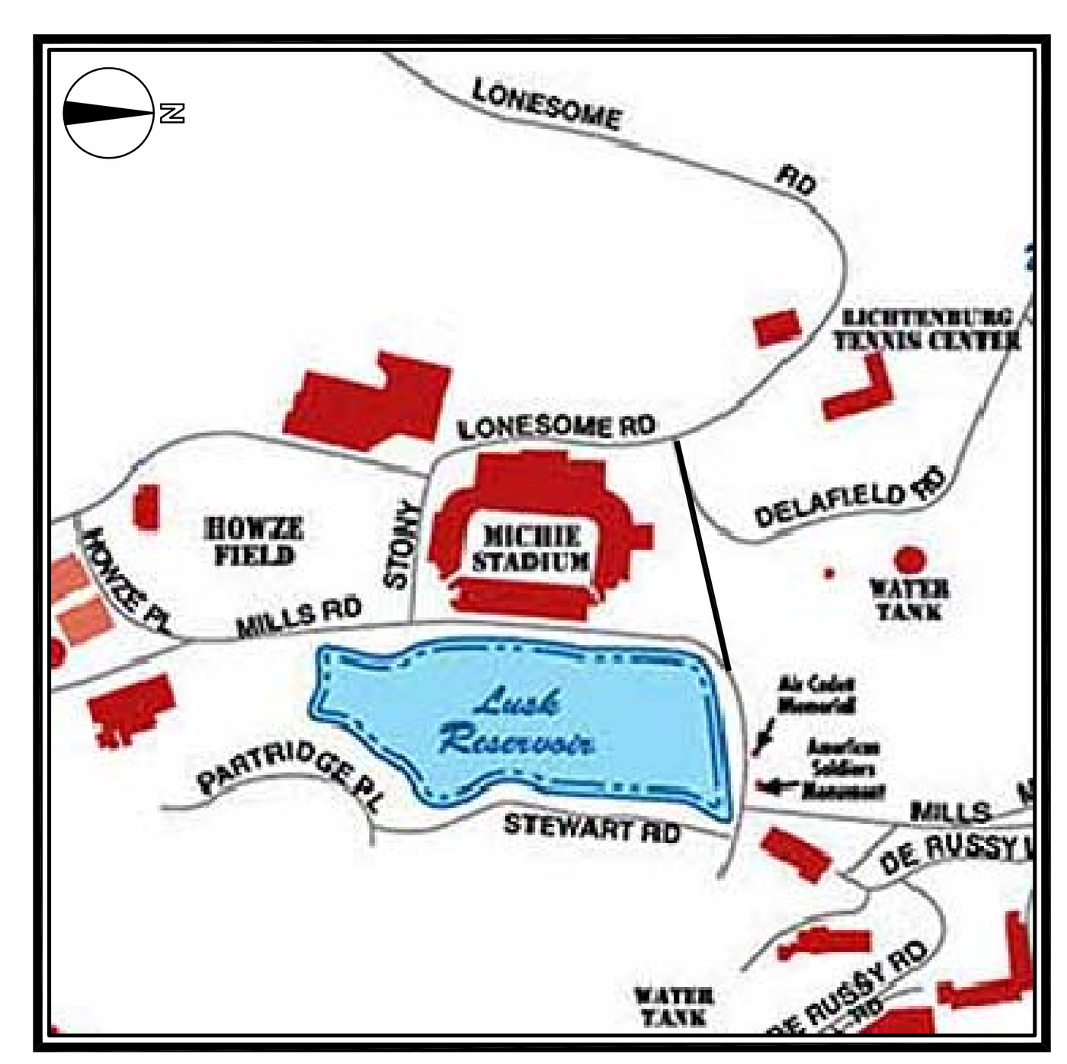
CONTRACT #- DACA 87-96-D-0024 CE15

MICHIE STADIUM - BID
PHASE III - ARCHITECTURAL / STRUCTURAL RESTORATION

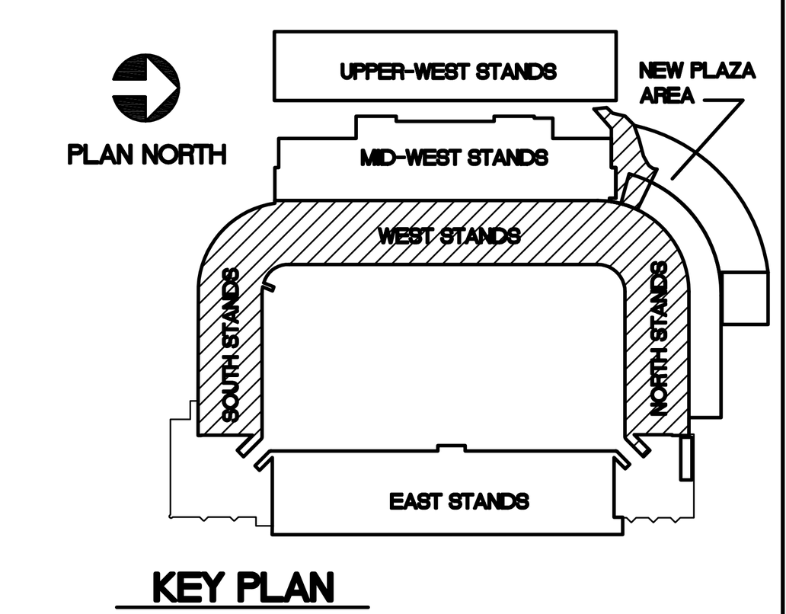
UNITED STATES MILITARY ACADEMY
WEST POINT, NEW YORK 10996



(A) VICINITY MAP
NTS



(B) LOCATION MAP
NTS



KEY PLAN
N.T.S.

STATE OF NEW YORK
029383

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.

URS
SAN FRANCISCO
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Supervised by: | Designed by: SK; | Checked by: TS;
Plotted by: | Drawn by: SK; GA; | Checked by: TS; | Design file: 10981954.00000 | Serial No.: | Project ID.:
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Pen Table: | Color table: | Size: 30x42 | Date: 06.28.05

PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA - STONY LONESOME ROAD WEST POINT, NEW YORK

COVER SHEET;
LOCATION MAPS;

DRAWING
T0-01
1 OF 37

Time: 2:57 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\10981954.Michie Stadium\Phase A-1\arch\T0-01.dwg

ABBREVIATIONS

&	AND
@	AT
A.D.	AREA DRAIN
ACOUS	ACOUSTIC
A.F.F.	ABOVE FINISH FLOOR
AL	ALUMINUM
ANCH.	ANCHOR
ARCH	ARCHITECTURAL
BD.	BOARD
BLDG	BUILDING
BLK.	BLOCK
BLKG	BLOCKING
B.O.	BOTTOM OF
BOT.	BOTTOM
BRG P	BEARING PLATE
BRKT	BRACKET
BSMT.	BASEMENT
C.L.	CENTERLINE
CLG	CEILING
CJ	CONTROL JOINT
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
CONTR	CONTRACTOR
CONSTR	CONSTRUCTION
C.T.	CERAMIC TILE
DET	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
DN	DOWN
D.O.	DOOR OPENING
DR.	DOOR
DWG.	DRAWING
EA.	EACH
EQ.	EQUAL
EL.	ELEVATION
ELEC.	ELECTRICAL
EXH	EXHAUST
EXIST.	EXIST
EXPAN.	EXPANSION
EXP JT.	EXPANSION JOINT
EXT.	EXTERIOR
FD.	FLOOR DRAIN
FIN.	FINISH
FL.	FLOOR OR FLOORING
FPSC	FIRE PROOF SELF CLOSING
GALV.	GALVANIZED
GL.	GLASS
G.W.B.	GYPSUM WALLBOARD\
HDW	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HORZ.	HORIZONTAL
HP.	HIGH POINT
HR.	HOUR
IN	INCHES
INSUL.	INSULATION
INT	INTERIOR
MAX.	MAXIMUM
MECH	MECHANICAL
MIN.	MINIMUM
M.O.	MASONRY OPENING
MTL.	METAL
N.I.C.	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
OA.	OVERALL
O.C.	ON CENTER
OPP	OPPOSITE
P.P.	PIPE PENETRATION
PTD.	PAINTED
PT	POINT
PL	PROPERTY LINE
RAD	RADIUS
RD.	ROOF DRAIN
RF	ROOF FAN
RV	ROOF VENT
REQ'D.	REQUIRED
RM	ROOM
RO	ROUGH OPENING
SECT	SECTION
S.F.	SQUARE FOOT
SIM	SIMILAR
SPEC	SPECIFICATION
S.S.	STAINLESS STEEL
STL.	STEEL
STRUCT.	STRUCTURE
T.O.	TOP OF
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
V.I.F.	VERIFY IN FIELD
VP	VENT PIPE
W/	WITH
W.P.	WORKING POINT
WD.	WOOD

REFER TO ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS FOR ABBREVIATIONS USED FOR THOSE TRADES.

LEGEND / SYMBOLS

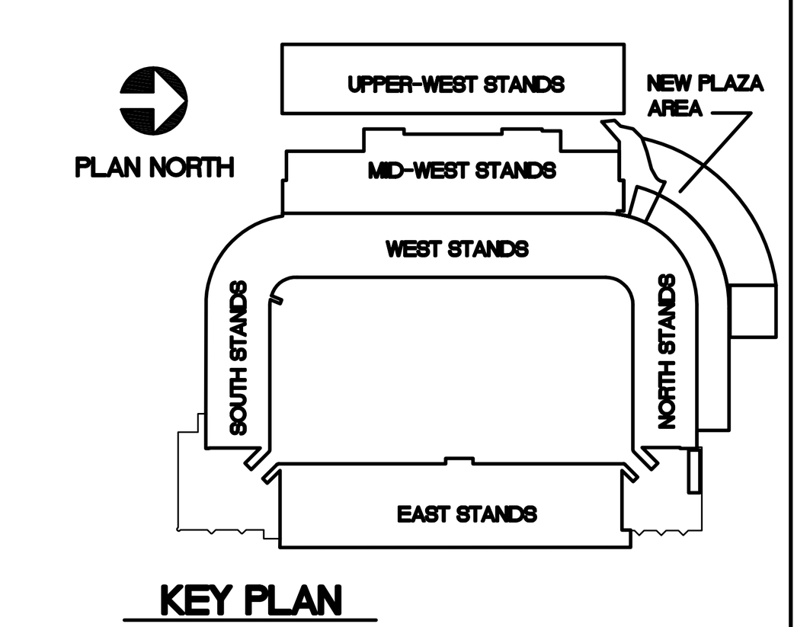
	EXISTING PARTITION
	EXISTING DOOR & FRAME
	REMOVE EXISTING DOOR
NT.101	NEW DOOR–SHOWN IN ELEVATION–SEE DOOR SCHEDULE
W1	NEW WINDOW– SHOWN IN ELEVATION–SEE WINDOW SCHEDULE
1 A	COLUMN REFERENCE GRID
1 / A1–01	ELEVATION REFERENCE DWG. No.
1 / A1–01	SECTION REFERENCE DWG. No.
1 / A1–01	DETAIL REFERENCE DWG. No.
ROOM NAME X	ROOM NAME
	REFERENCE POINT / DATUM POINT
	EXIT LIGHT
	WOOD BLOCKING IN SECTION
#	ARCHITECTURAL DEMOLITION KEYNOTE
#	ARCHITECTURAL CONSTRUCTION KEYNOTE
	INDICATES CONC. MASONRY UNIT (CMU) IN PLAN
	INDICATES STEEL
	INDICATES STRUCTURAL CONCRETE & PRECAST CONCRETE
	INDICATES CONCRETE MASONRY UNIT (CMU) IN SECTION
	INDICATES EARTH
	INDICATES RIGID INSULATION IN SECTION
	NEW CHAIN LINK FENCE

GENERAL NOTES

1. VERIFY ALL EXISTING DIMENSIONS & CONDITIONS IN FIELD BEFORE ASSOCIATED FABRICATIONS OR PROCEEDING WITH WORK.
2. EXISTING CONDITIONS DISTURBED BY ALTERATION WORK SHALL BE PATCHED & REPAIRED OR REPLACED TO MATCH EXISTING CONDITIONS & FINISHES.
3. WHERE IN THE COURSE OF ALTERATION, DIMENSIONS EXIST OR CONDITIONS ARE ENCOUNTERED, WHICH ARE AT VARIANCE FROM THE EXISTING CONDITIONS AS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF SUCH DISCREPANCIES & SHALL NOT PROCEED UNTIL THE ARCHITECT DIRECTS THE PROPER METHOD OF COMPLETION.
4. CONTRACTOR TO CAP AND IDENTIFY ALL EXISTING UTILITIES PRIOR TO DEMOLITION OF ANY WORK AFFECTING SUCH UTILITIES.
5. REFER TO MEP DRAWINGS FOR ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION INFORMATION.
6. ALL WORK SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODES. THE UNIFIED FACILITES CRITERIA (UFC) IS INCLUDED AS A GOVERNING AUTHORITY.
7. MATERIALS, WORKMANSHIP AND INSTALLATION SHALL BE IN STRICT COMPLIANCE WITH NOT ONLY THE MANUFACTURERS PRINTED INSTRUCTIONS, BUT ALSO THE STANDARDS OF RECOGNIZED AGENCIES OR ASSOCIATIONS.
8. ALL MATERIALS SHALL BE NEW, UNLESS OTHERWISE SPECIFIED.
9. PROVIDE TEMPORARY PROTECTION OF MATERIALS AND EQUIPMENT.
10. PROTECT EXISTING STRUCTURE FROM DAMAGE DURING CONSTRUCTION AND INSURE STRUCTURAL INTEGRITY.
11. PROVIDE PROPER PROTECTION FOR ALL EXISTING CONDITIONS, FURNISHINGS AND FIXTURES LIKELY TO BE DAMAGED DURING THE COURSE OF WORK.
12. FURNISH SHOP DRAWINGS FOR ALL SHOP FABRICATED ITEMS. CHECK FIELD CONDITIONS AND FIELD DIMENSIONS BEFORE MAKING SHOP DRAWINGS CONFORM TO VARIATIONS FOUND AND REPORT TO THE ARCHITECT ANY SERIOUS DISCREPANCIES IN THE DESIGN OR CONSTRUCTION WHICH WILL CONFLICT WITH THE INSTALLATION. SUBMISSION OF SHOP DRAWINGS INDICATES THAT THE GENERAL CONTRACTOR HAS CHECKED THE SUBMISSION FOR FIELD DIMENSIONS, CONTRACT REQUIREMENTS AND COORDINATION WITH OTHER TRADES.
13. WORK PERFORMED OVER ANY SURFACE CONSTITUTES ACCEPTANCE OF THAT SURFACE FOR THE SPECIFIED QUALITY OF THE WORK BEING PERFORMED THEREON.
14. UPON COMPLETION OF THE WORK, REMOVE ANY TEMPORARY FACILITIES AND RESTORE ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION OR AS APPROVED BY ARCHITECT.
15. GENERAL CONTRACTOR SHALL PREPARE COORDINATION DRAWINGS TO RESOLVE CONFLICTS AND TO ASSURE COORDINATION OF WORK. SUBMIT COMPOSITE WORKING DRAWINGS AT A SUITABLE SCALE NOT LESS THAN 3/32"=1'-0" TO ARCHITECT FOR REVIEW. REPRODUCE AND DISTRIBUTE REVIEWED COPIES TO ALL CONCERNED PARTIES.
16. ALL MATERIAL PREPERATIONS, MODIFICATIONS AND PATCHING NECESSARRY TO ACCOMPLISH THE WORK DESCRIBED HEREIN IS TO BE INCLUDED IN THE BID PRICE.
17. CLEANING:
    - MAINTAIN PREMISES AND PUBLIC PROPERTIES FREE FROM ACCUMULATIONS OF WASTE, DEBRIS AND RUBBISH, CAUSED BY OPERATIONS.
    - AT COMPLETION OF WORK, REMOVE WASTE MATERIALS, RUBBISH, TOOLS, EQUIPMENT, MACHINERY AND SURPLUS MATERIALS, AND CLEAN ALL SIGHT EXPOSED SURFACES; LEAVE PROJECT CLEAN AND READY FOR OCCUPANCY.
18. WARRANTIES
    - WARRANTY WORK FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP FOR ONE YEAR AFTER THE DATE OF OWNER'S ACCEPTANCE OR WITHIN SUCH PERIOD OF TIME AS MAY BE PRESCRIBED BY THE TERMS OF ANY APPLICABLE SPECIAL WARRANTY REQUIRED BY THE CONTRACT DOCUMENTS.

DRAWING LIST

DWG #	TITLE
GENERAL:	
T0-01	COVER SHEET WITH LOCATION MAP
T0-02	DRAWING LIST, SYMBOLS, ABBREVATIONS AND GENERAL NOTES
T1-01	KEY PLANS AND BUILDING SECTIONS
T1-02	WORK AREA PHASING: PLAN @ LOWER CONCOURSE LEVEL AND UNDER WEST AND NORTH STADIUM.
T1-03	WORK AREA PHASING: PLAN @ SEATING DECK
ENVIRONEMENTAL	
EV-01	ENIVIRONMENTAL DEMOLITION: PLAN @ SEATING DECK
CIVIL	
C1-01	CIVIL PLAN: GRADING AND DRAINAGE AT NORTHWEST BLEACHERS
C1-02	CIVIL PLAN: SOIL EROSION AND SEDIMENT CONTROL AT NORTHWEST BLEACHERS
C2-01	CIVIL SITE DETAILS
ARCHITECTURAL	
AD-01	ARCHITECTURAL DEMOLITION: NORTHWEST STANDS AND EGRESS PATH
A1-01	PLAN: LOWER CONCOURSE, SOUTH AND WEST STANDS; GATES 1; GATE 3;
A1-02	PARTIAL PLAN @ NORTH STANDS: UNDER DECK; REFLECTED CEILING PLAN
A1-03	PLAN @ SEATING DECK, SOUTH AND PART WEST STANDS
A1-04	PLAN @ SEATING DECK, PART WEST AND NORTH STANDS
A1-05	PLAN: PART NORTHWEST STANDS AND EGRESS PATH:
A2-01	ELEVATION: NORTH AND SOUTH TOWERS AND PARTIAL FACADE
A3-01	STADIUM SECTION: SOUTH STANDS AND WEST STANDS @ COLUMN 37
A3-02	STADIUM SECTION: NORTH STANDS
A3-03	STADIUM SECTION: NORTHWEST EGRESS STAIR;
A4-01	RESTORATION DETAILS: TYPICAL CONCRETE DETAILS, SHEET 1
A4-02	RESTORATION DETAILS: TYPICAL CONCRETE DETAILS, SHEET 2
A5-01	DETAILS: MISCELLANEOUS
A5-02	DETAILS: PERFORATED METAL FENCE; CHAIN LINK FENCE
A5-03	DETAILS: ROOF DETAILS; INFILL MASONRY DETAILS;
A6-01	DOORS AND WINDOWS: SCHEDULE, ELEVATIONS, DETAILS
A7-01	STADIUM SIGNAGE: STADIUM PLAN AT SEATING DECK
A7-02	STADIUM SIGNAGE: SIGN DETAILS
STRUCTURAL	
S0-01	STRUCTURAL: GENERAL NOTES AND ABBREVIATIONS
S1-01	PLAN: NORTHWEST EGRESS STAIR TO GATE 5
S6-01	TYPICAL CONCRETE RESTORATION DETAILS
S7-01	CONCRETE AND SITE STRUCTURES DETAILS
S7-02	TYPICAL DETAILS
S7-03	SECTIONS: NORTHWEST GRANDSTAND STAIR
ELECTRICAL	
E0-01	ELECTRICAL: NOTES AND SYMBOL LIST
E1-01	ELECTRICAL PLAN: CABLE ROUTING PLAN;
E1-02	ELECTRICAL PLAN: @ GATE 1; GATE 3; AND STAIRS 5.1 AND 5.2;
PLUMBING	
P1-01	PROPOSED PLUMBING: STAIR 5.1



KEY PLAN
N.T.S.

STATE OF NEW YORK
029383

US Army Corps of Engineers
New York District

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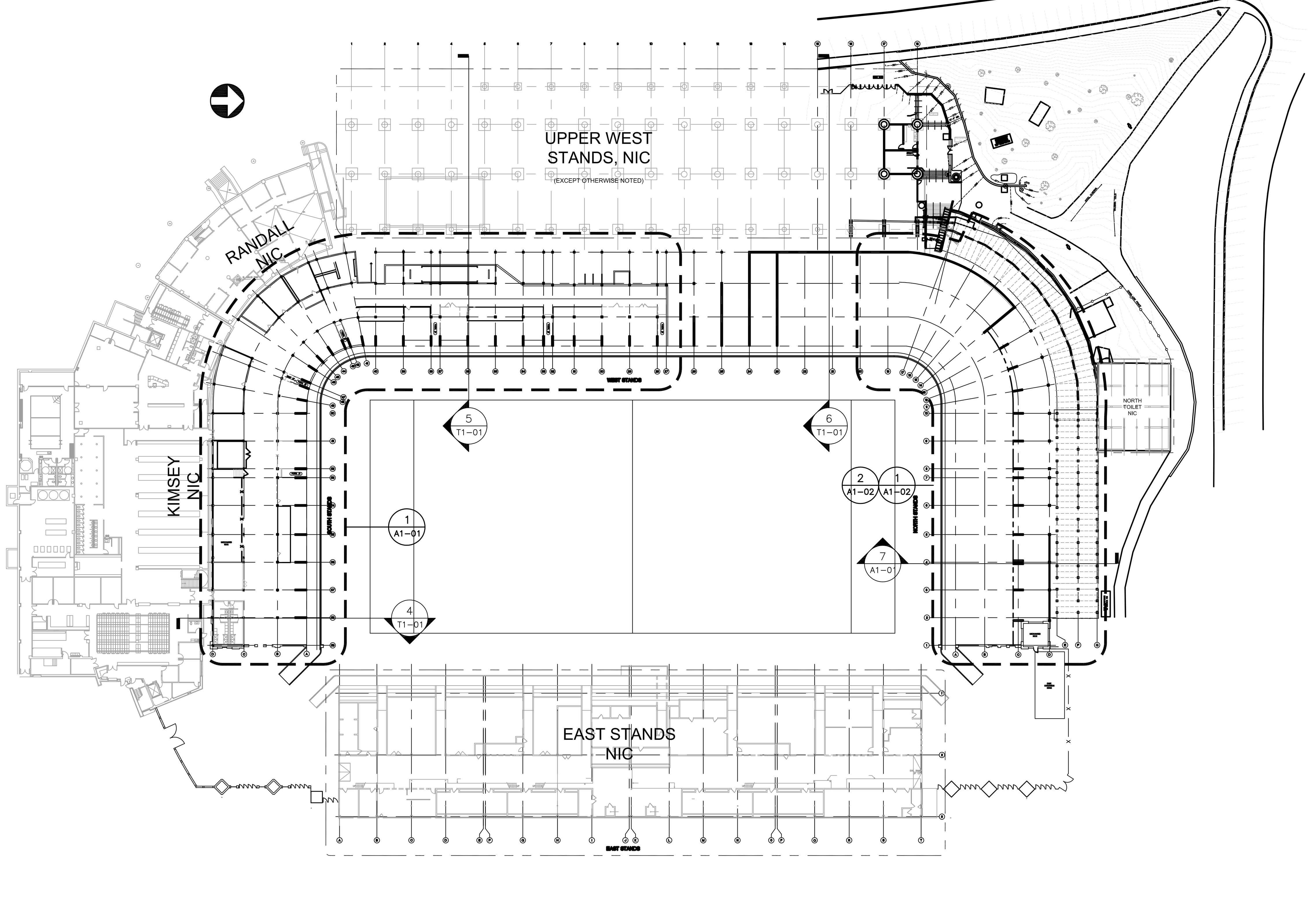
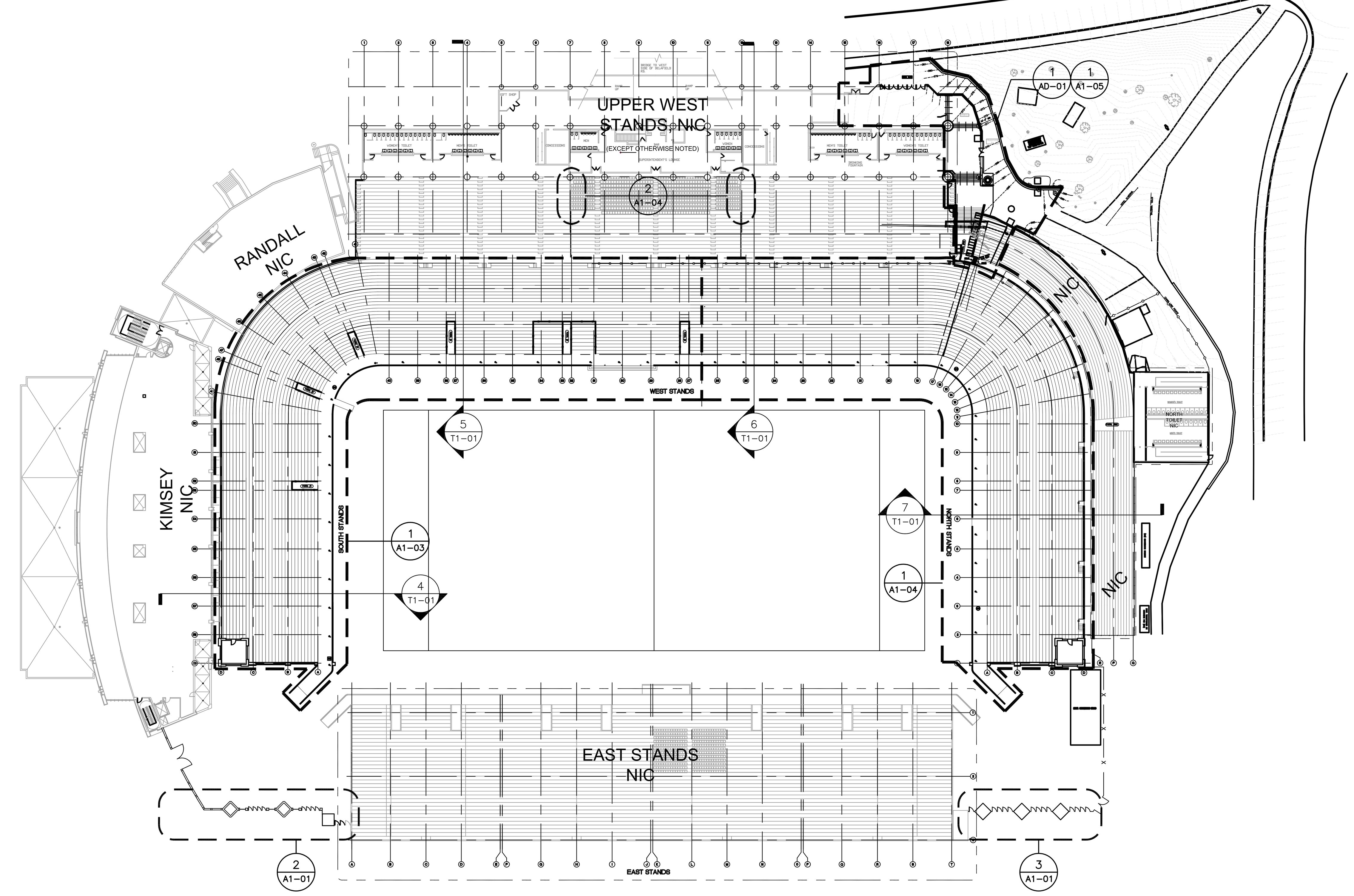
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK

DRAWING LIST, SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

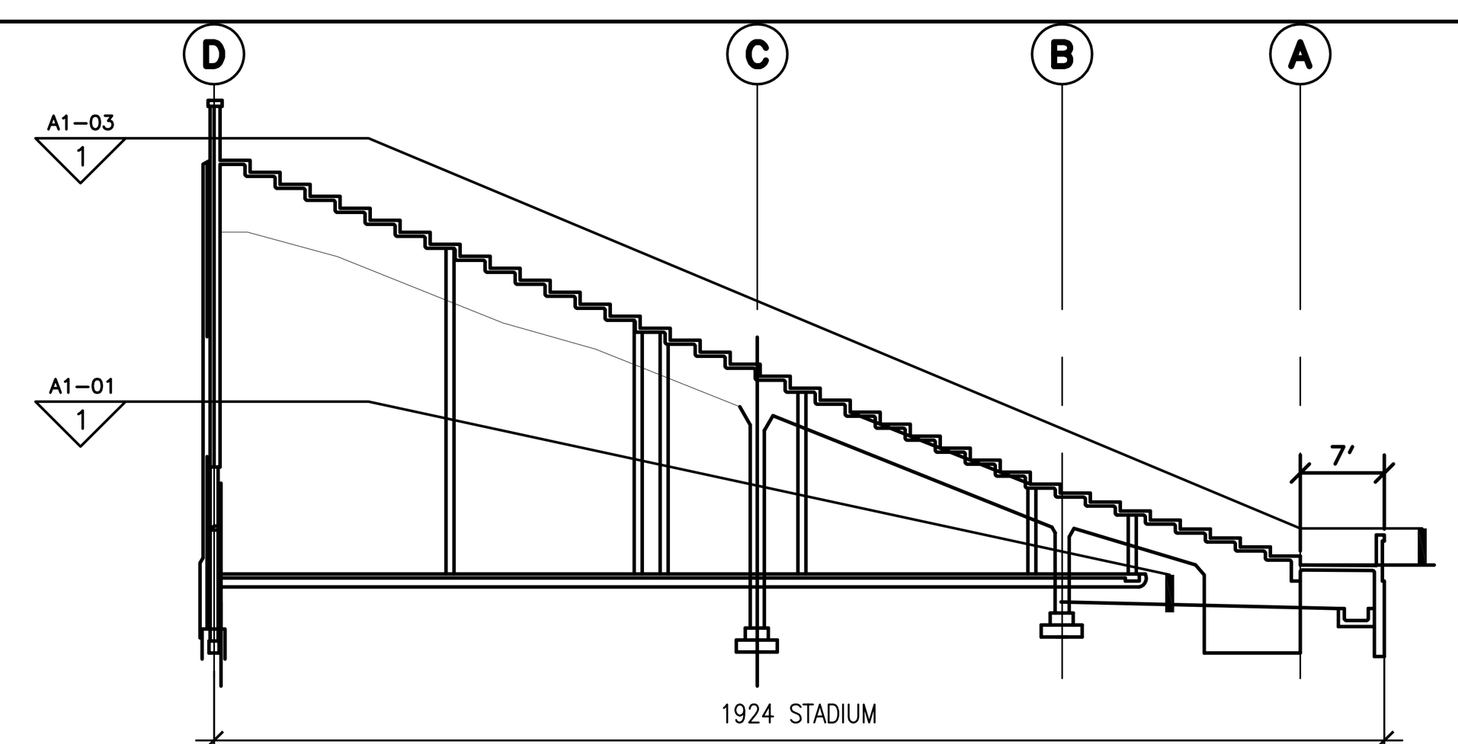
DRAWING
T0-02
2 OF 37



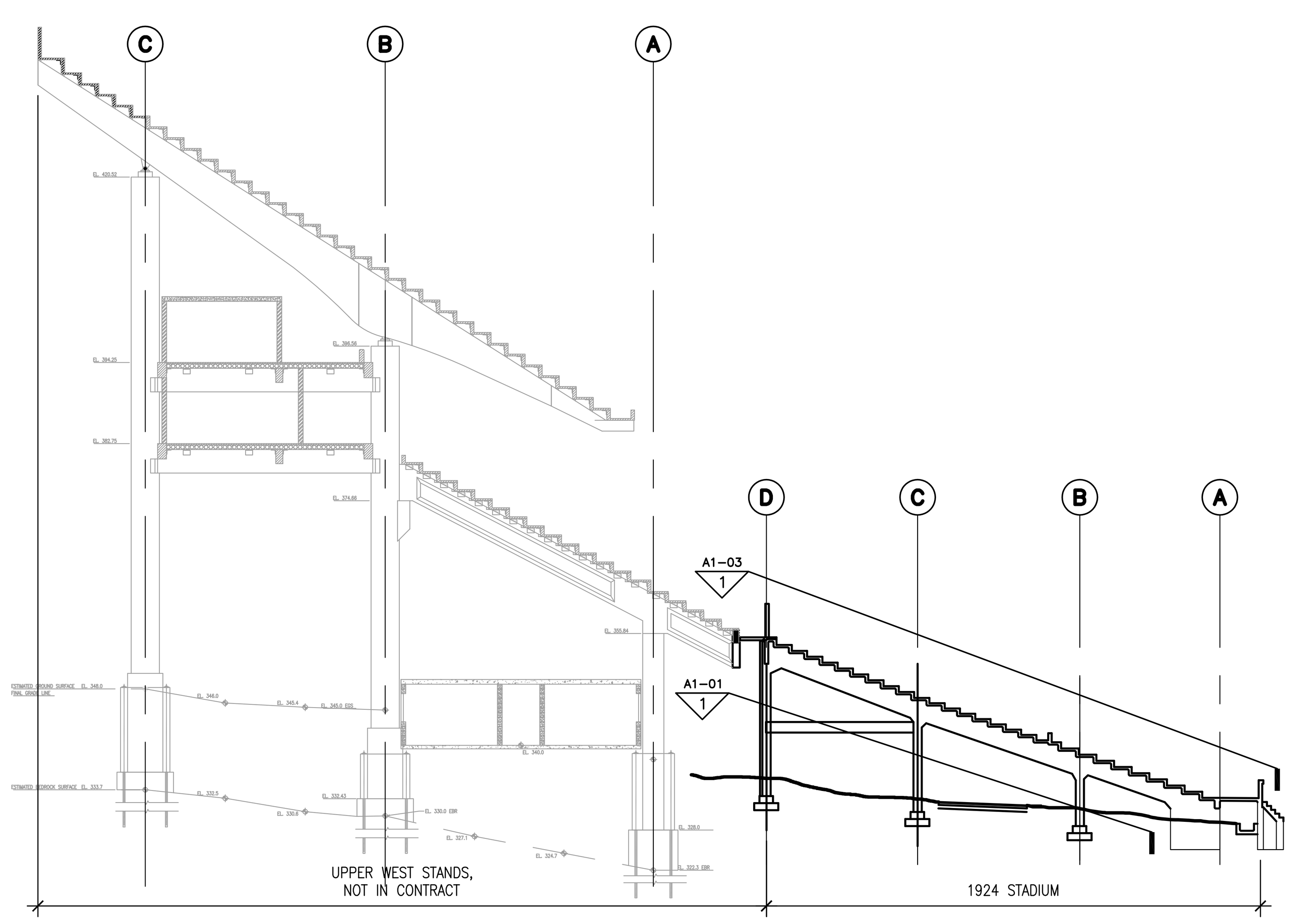
1 T1-01 KEY PLAN
UNDER SEATING DECK FLOOR PLAN
SCALE : NTS



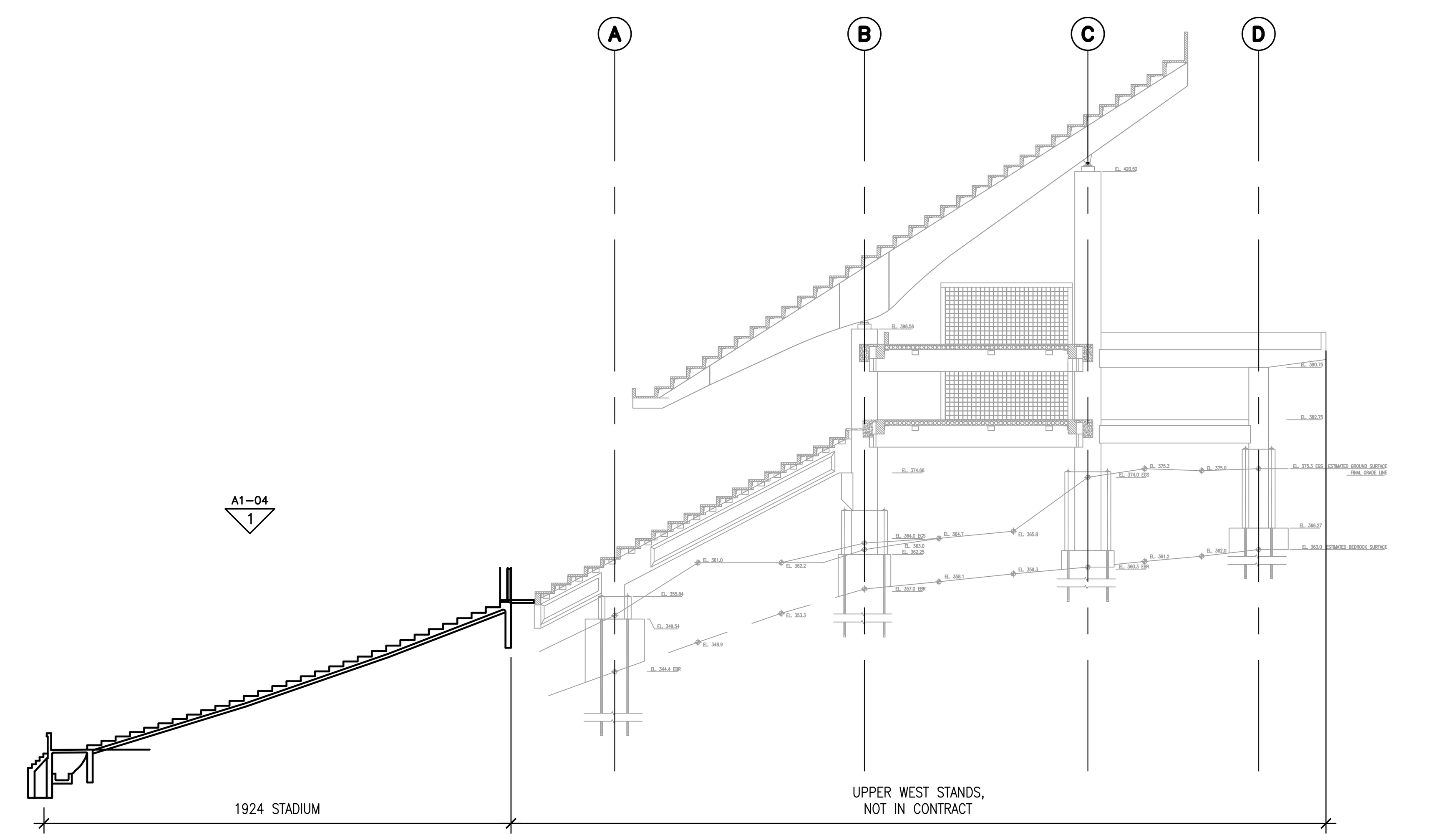
2 T1-01 KEY PLAN
SEATING DECK FLOOR PLAN
SCALE : NTS



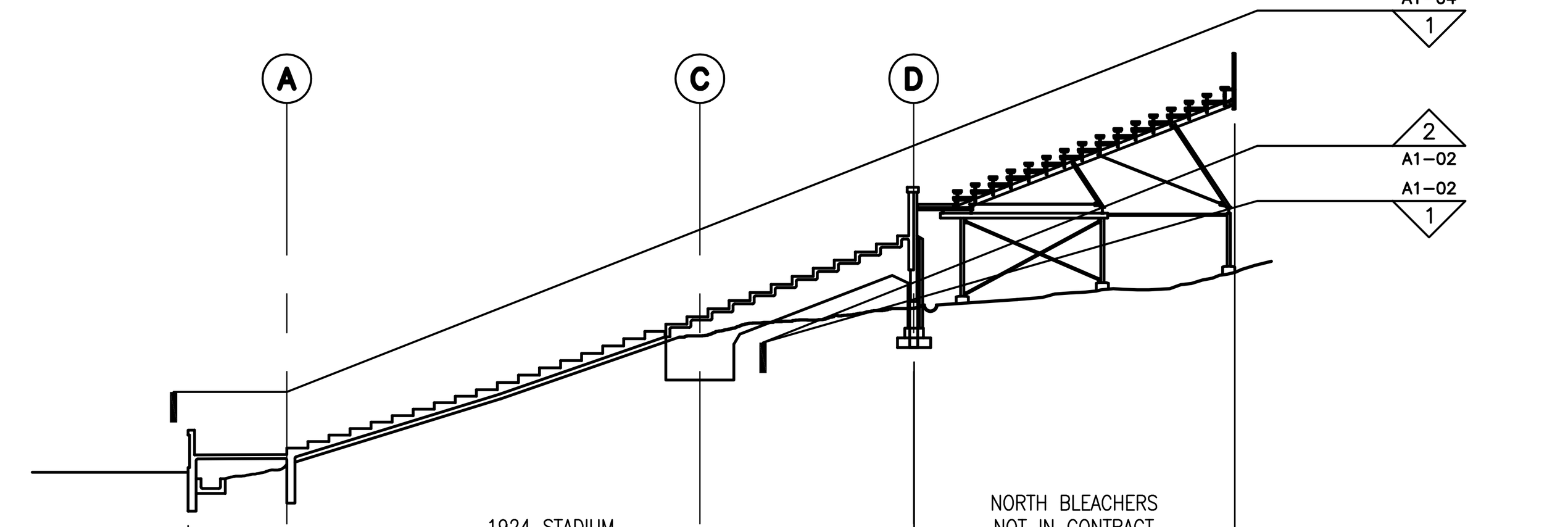
4 T1-01 KEY REFERENCE SECTION
SOUTH STANDS
SCALE : 1/16" = 1'-0"



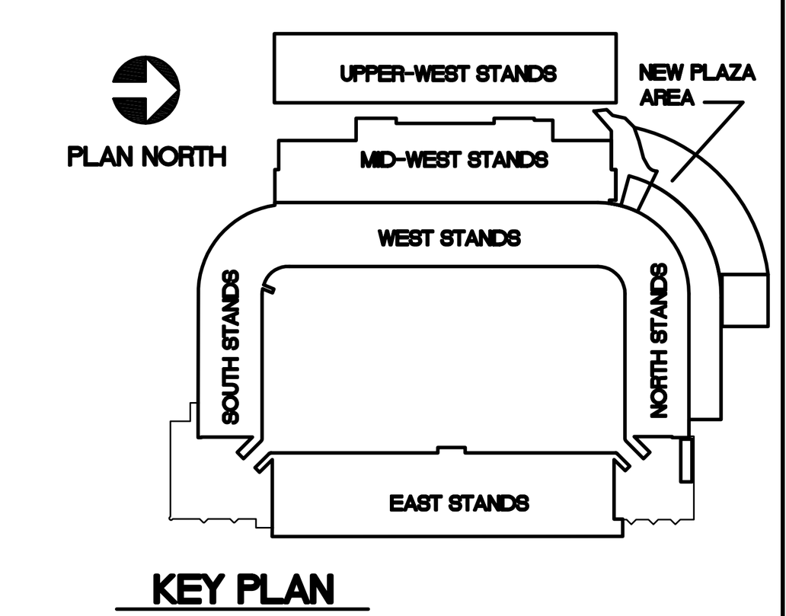
5 T1-01 KEY REFERENCE SECTION
SOUTH-WEST STANDS (@ COL 3)
SCALE : 1/16" = 1'-0"



6 T1-01 KEY REFERENCE SECTION
NORTH-WEST STANDS (@ COL 14)
SCALE : 1/16" = 1'-0"



7 T1-01 KEY REFERENCE SECTION
NORTH STANDS AND BLEACHERS
SCALE : 1/16" = 1'-0"



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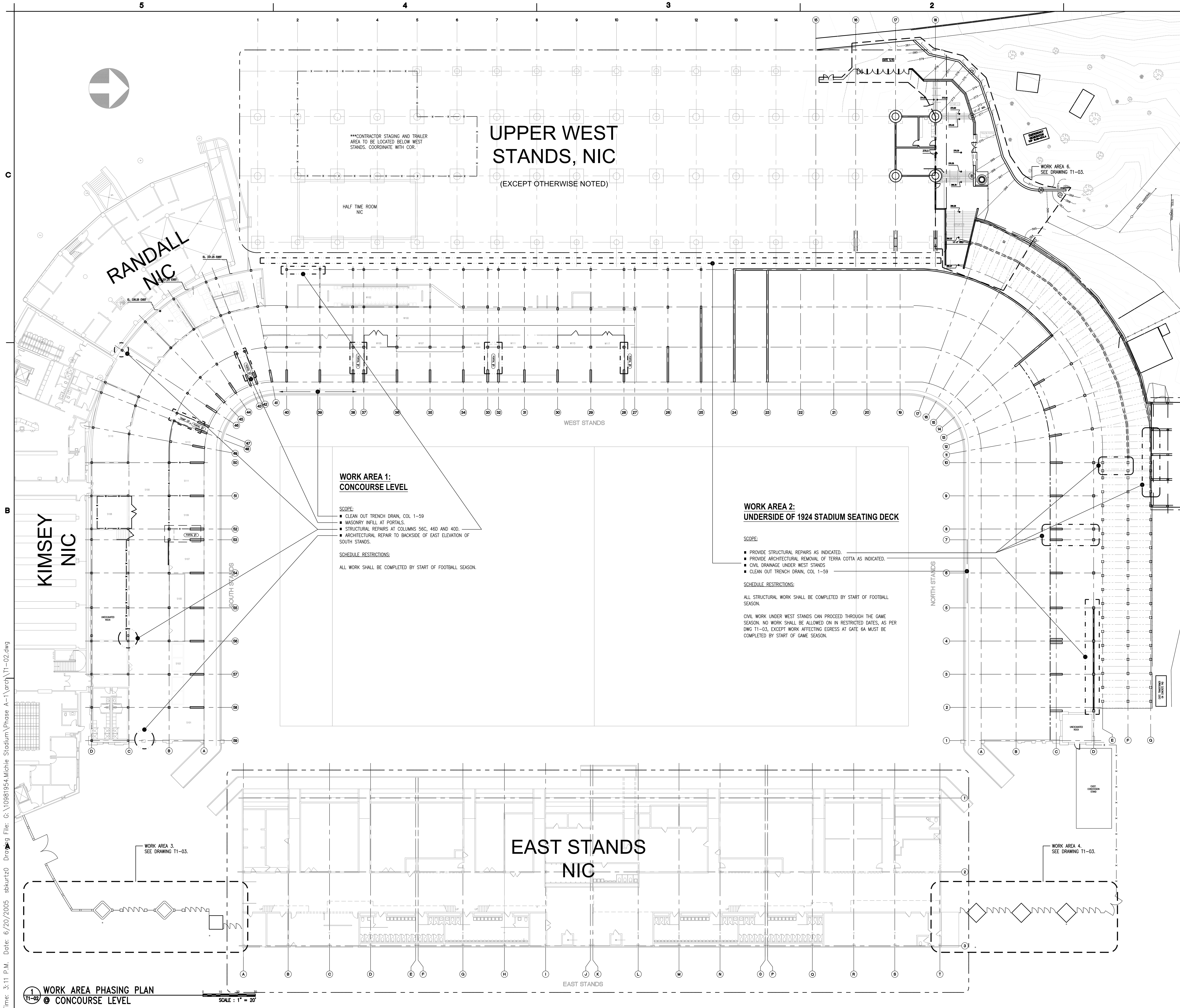
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK
KEY PLANS AND BUILDING SECTIONS

DRAWING
T1-01
3 OF 37

Time: 3:12 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\10981954.Michie Stadium\Phase A-1\arch\T1-01.dwg



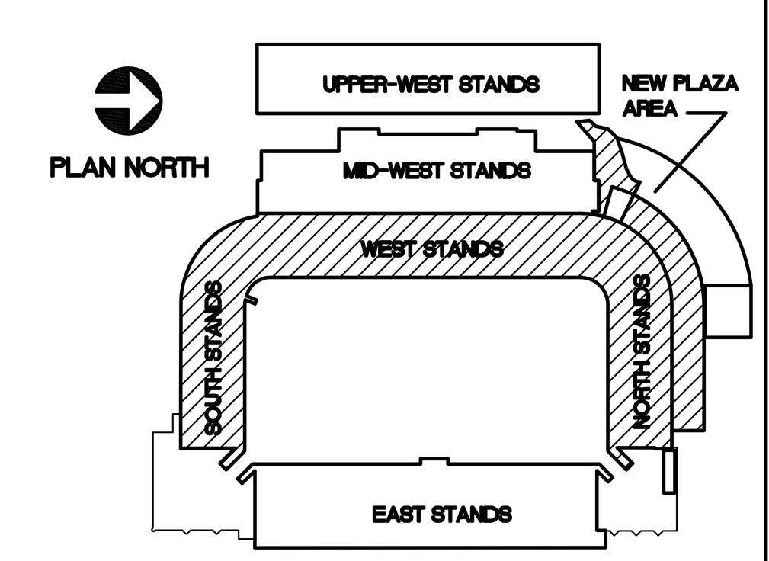
1 / T1-02 WORK AREA PHASING PLAN @ CONCOURSE LEVEL

SCALE : 1" = 20'

LEGEND:

- NIC (NOT IN CONTRACT)
- WITHIN SCOPE OF CONTRACT
- WORK AREA

NOTE:
DRAWING INTENT IS TO IDENTIFY PHASING RESTRICTIONS RELATIVE TO SCOPE OF WORK. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILED INFORMATION. REFER TO DWG T1–03 FOR GENERAL PHASING NOTES.



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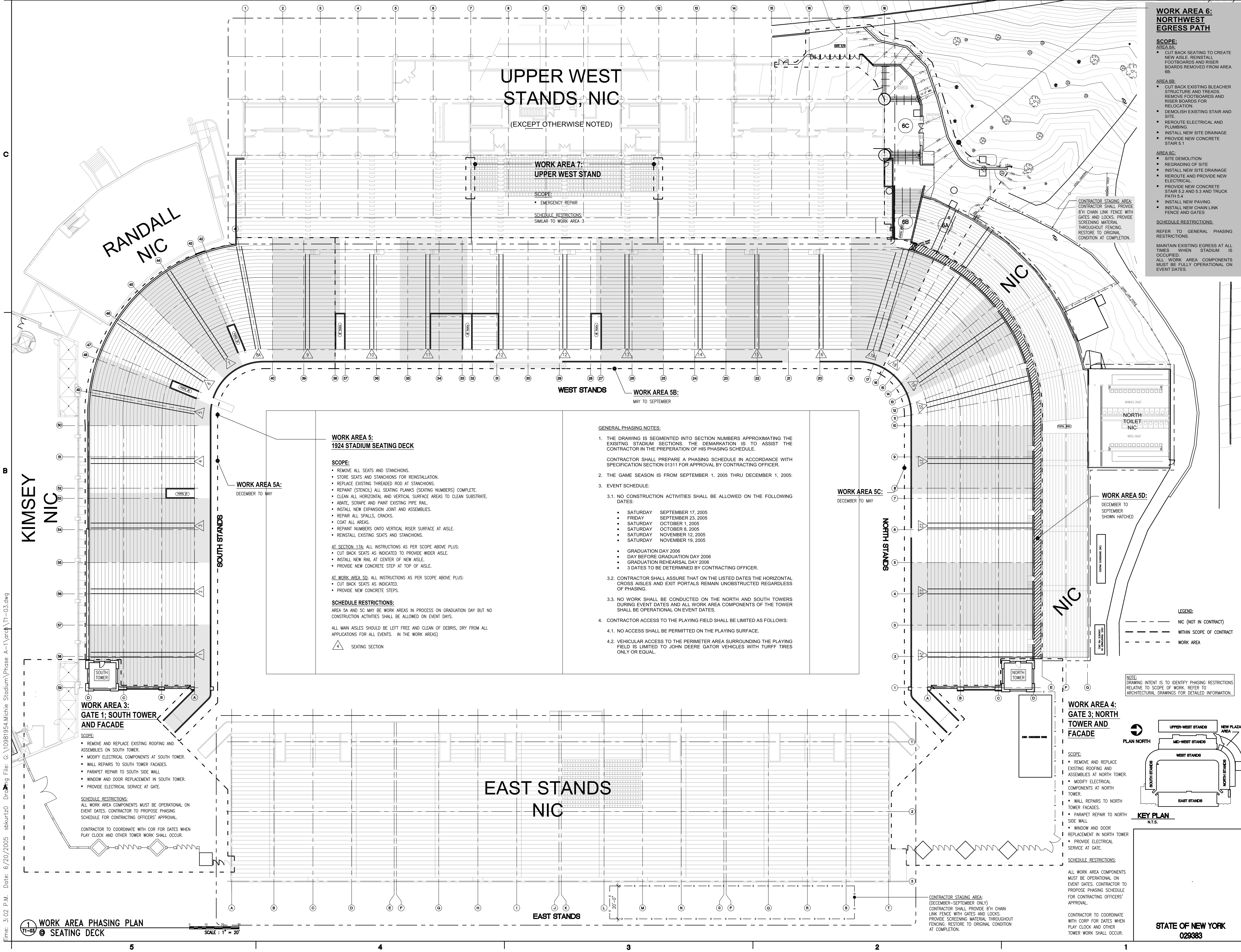
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK

WORK AREA PHASING PLAN: PLAN AT CONCOURSE LEVEL AND UNDER WEST AND NORTH STADIUM

DRAWING T1-02
4 OF 37

STATE OF NEW YORK
029383



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Drawn by: SK; GA; | Feature table: | Size: 30x42
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Serial No.:
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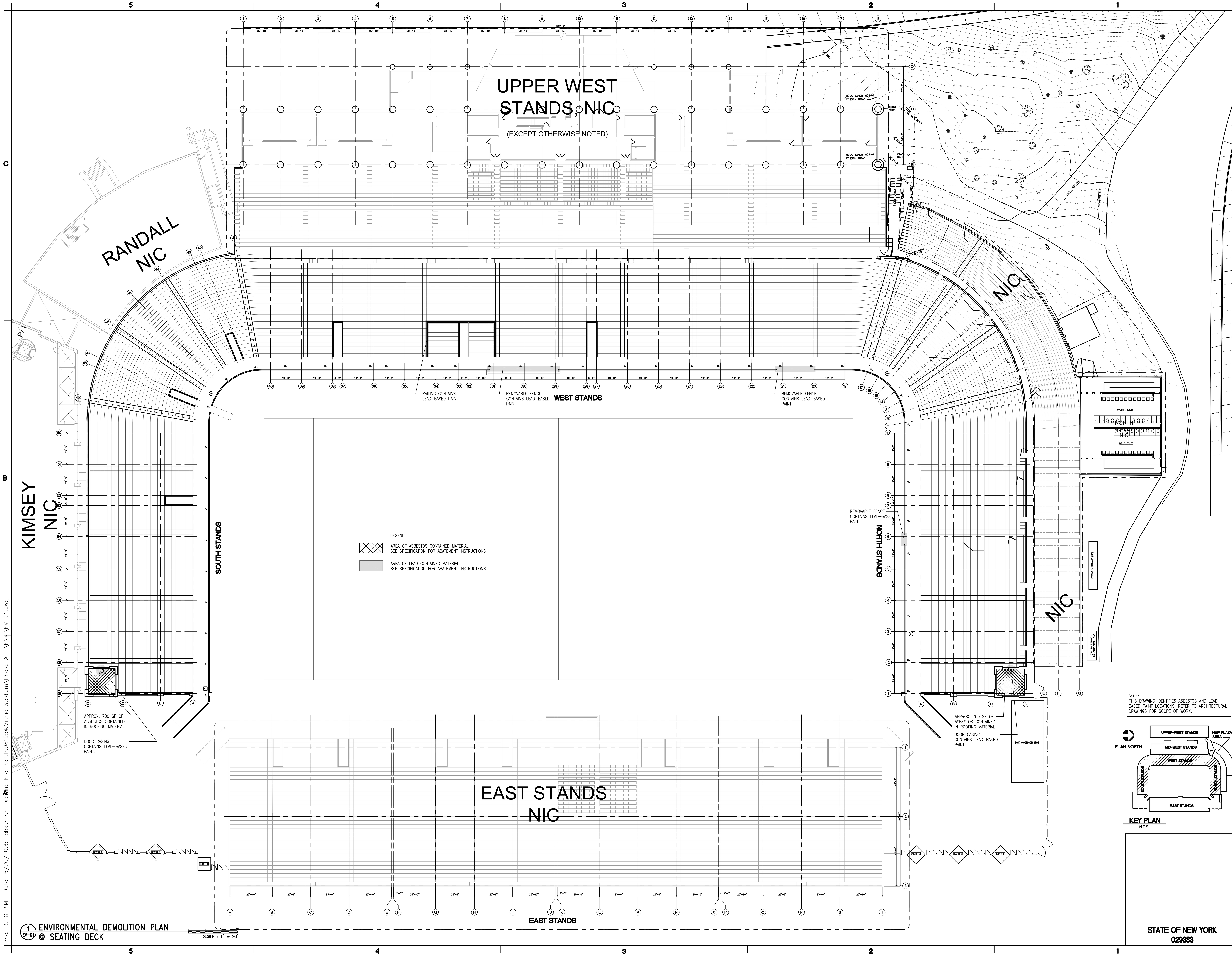
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK

WORK AREA PHASING PLAN: PLAN • SEATING DECK

DRAWING
T1-03
5 OF 37

STATE OF NEW YORK
029383

Time: 3:02 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\10981954.Michie Stadium\Phase A-1\arch\T1-03.dwg



1 EV-01 ENVIRONMENTAL DEMOLITION PLAN @ SEATING DECK

NOTE:
THIS DRAWING IDENTIFIES ASBESTOS AND LEAD BASED PAINT LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR SCOPE OF WORK.

KEY PLAN
N.T.S.

STATE OF NEW YORK
029383

Time: 3:20 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\10981954.Michie Stadium\Phase A-1\ENV\EV-01.dwg

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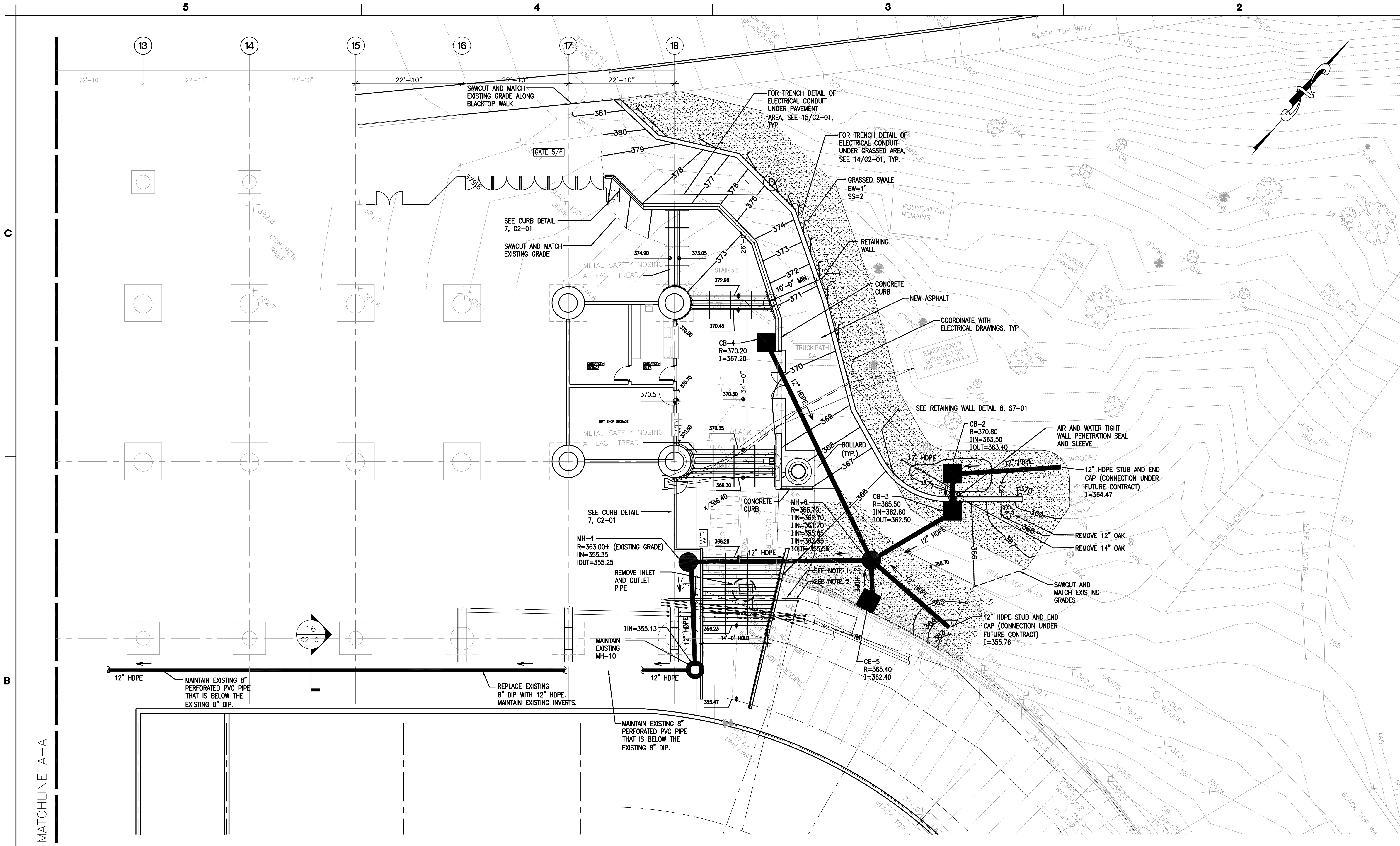
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA - STONY LONESOME ROAD WEST POINT, NEW YORK

ENVIRONMENTAL DEMOLITION: PLAN • SEATING DECK

DRAWING
EV-01



1/C1-01 PLAN AT NORTHWEST EGRESS PATH

SCALE : 1" = 10'

ABBREVIATIONS

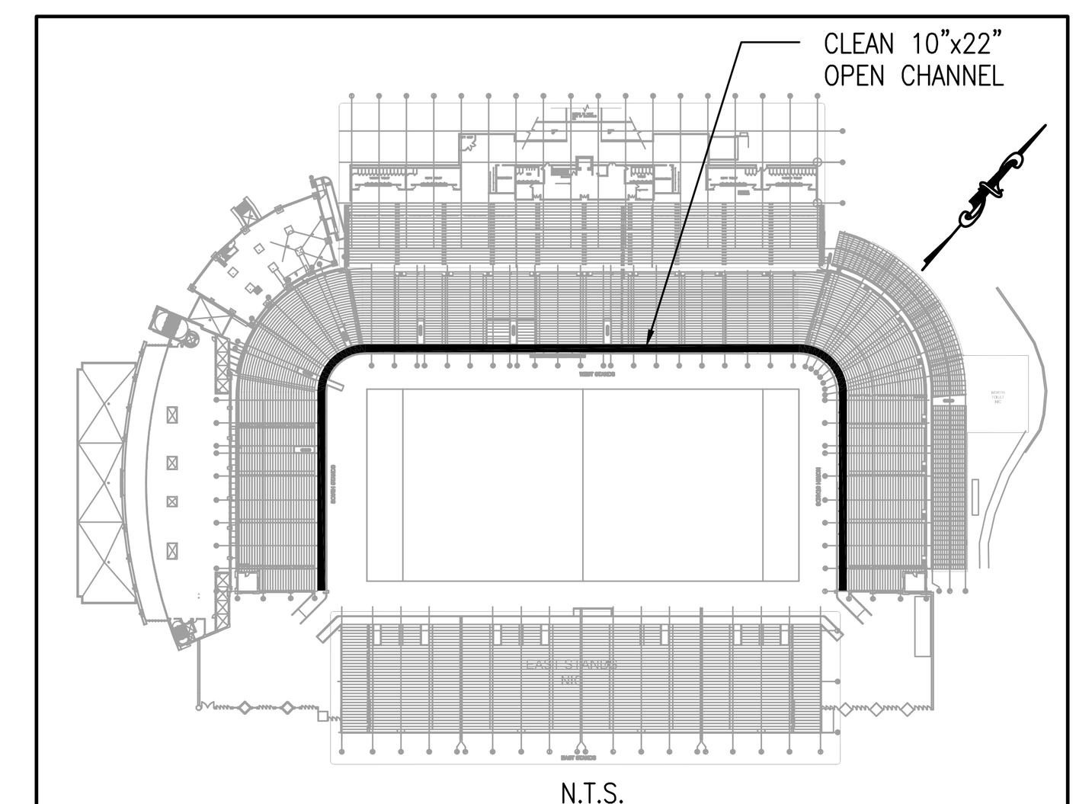
BW	BOTTOM WIDTH
CB	CATCH BASIN
DIP	DUCTILE IRON PIPE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
IIN	INVERT INTO STRUCTURE
Iout	INVERT OUT OF STRUCTURE
PVC	POLYVINYL CHLORIDE PIPE
MH	MANHOLE
R	RIM ELEVATION
SS	SIDE SLOPE

LEGEND

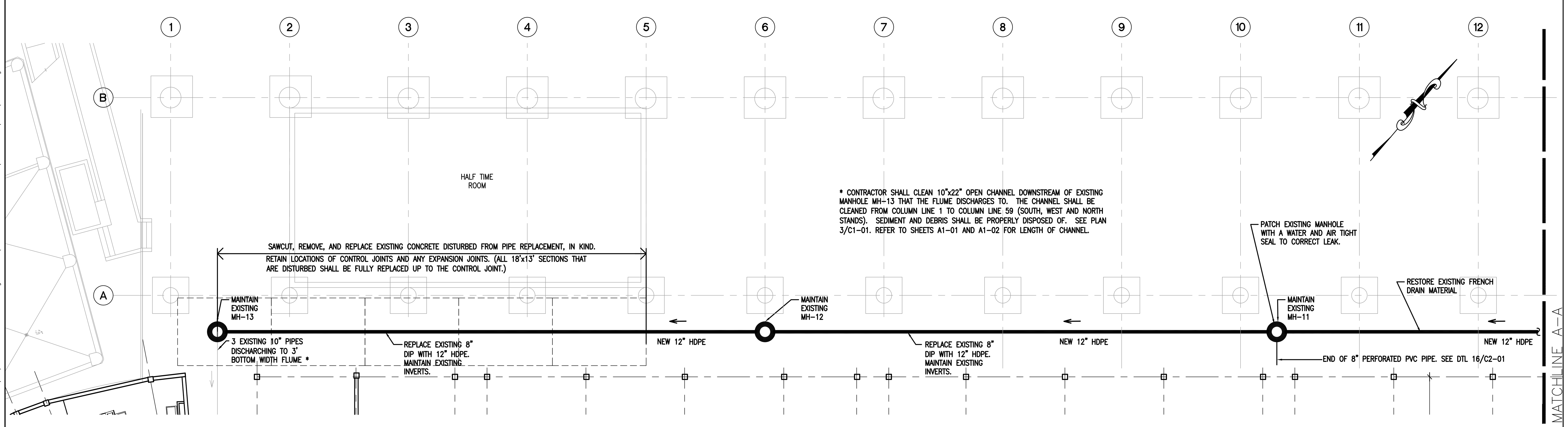
NEW CONTOUR	370
EXISTING CONTOUR	25
NEW SPOT ELEVATION	X 370.70
NEW CATCH BASIN	■
NEW STORM MANHOLE	●
EXIST STORM MANHOLE	○
NEW STORM LINE	
RETAINING WALL	
AREA OF SEEDING	
SAWCUT	— — — —

NOTES:

1. NEW 2" COPPER CW UNDER NEW STAIRS (SEE PLUMBING PLANS).
2. NEW 4" PVC CW PIPING UNDER NEW STAIRS (SEE PLUMBING PLANS).
3. PIPE INVERTS ENTERING A STRUCTURE ARE LISTED IN A CLOCKWISE ORDER STARTING FROM THE OUTLET PIPE.
4. FIELD VERIFY EXISTING MANHOLE LOCATIONS AND EXISTING PIPE INVERTS.
5. TOPOGRAPHIC MAP COMPILED BY TESTWELL LABORATORIES INC., AUGUST 2003.
6. QUANTITIES OF CUT AND FILL SHALL BE DETERMINED BY CONTRACTOR. QUANTITIES TO BE VERIFIED BY THE CONTRACTING OFFICER BY JOINT QUANTITIES SURVEY.
7. REVIEW GEOTECHNICAL REPORT FOR SOIL TYPE MATERIAL.
8. SEE ELECTRICAL AND PLUMBING DRAWINGS FOR LOCATION OF ELECTRICAL AND PLUMBING LINES.
9. SEE ARCHITECTURAL DRAWINGS FOR INFORMATION ON CURBING AND FENCING.
10. SEE STRUCTURAL DRAWINGS FOR DETAILS ON STORM SEWER CROSSING RETAINING WALL AND GENERAL RETAINING WALL DETAILS.
11. PROTECT ALL TREES, EXCEPT THOSE SPECIFICALLY CALLED OUT ON PLANS TO REMOVE.
12. ELEVATIONS OF UTILITIES ARE GIVEN TO THE EXTENT OF INFORMATION AVAILABLE. WHERE ELEVATIONS ARE NOT GIVEN AT POINTS OF EXISTING UTILITIES CROSSINGS, SUCH ELEVATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND REPORTED TO THE CONTRACTING OFFICER. WHEN UNKNOWN LINES ARE EXPOSED, THEIR LOCATION AND ELEVATION SHALL LIKEWISE BE REPORTED.
13. ALL INDICATED COMPONENTS ARE NEW UNLESS OTHERWISE NOTED.

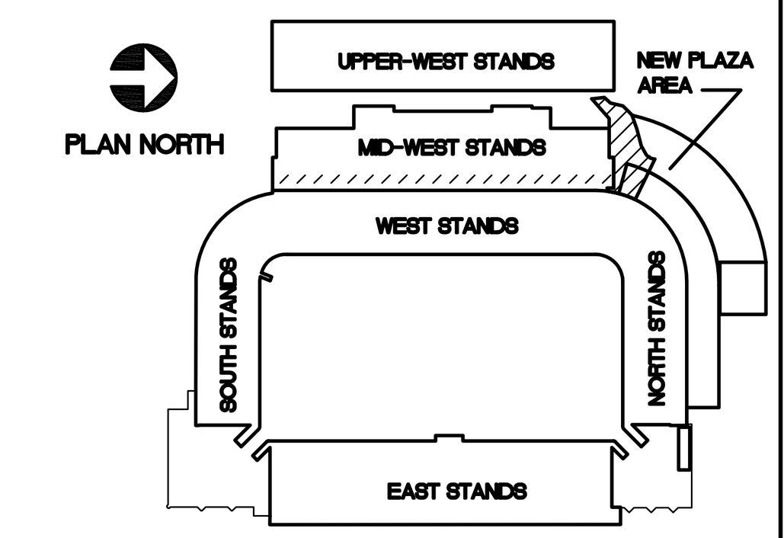


3/C1-01 PLAN
CHANNEL CLEANING



2/C1-01 PLAN
UNDER WEST STANDS

SCALE : 1" = 10'



KEY PLAN
N.T.S.

US Army Corps of Engineers
New York District

Symbol | Description | Date | Appr.

Designed by: SK; | Drawn by: SK; GA; | Checked by: TS; | Checked by: TS; | Supervised by: | Plotted by: | Scale: AS NOTED | Pen Table: | Color table: | Feature table: | Design file: 10981954.00000 | Serial No.: | Project ID.: | File No.: 7687-16466 | Size: 30x42 | Date: 06.28.05

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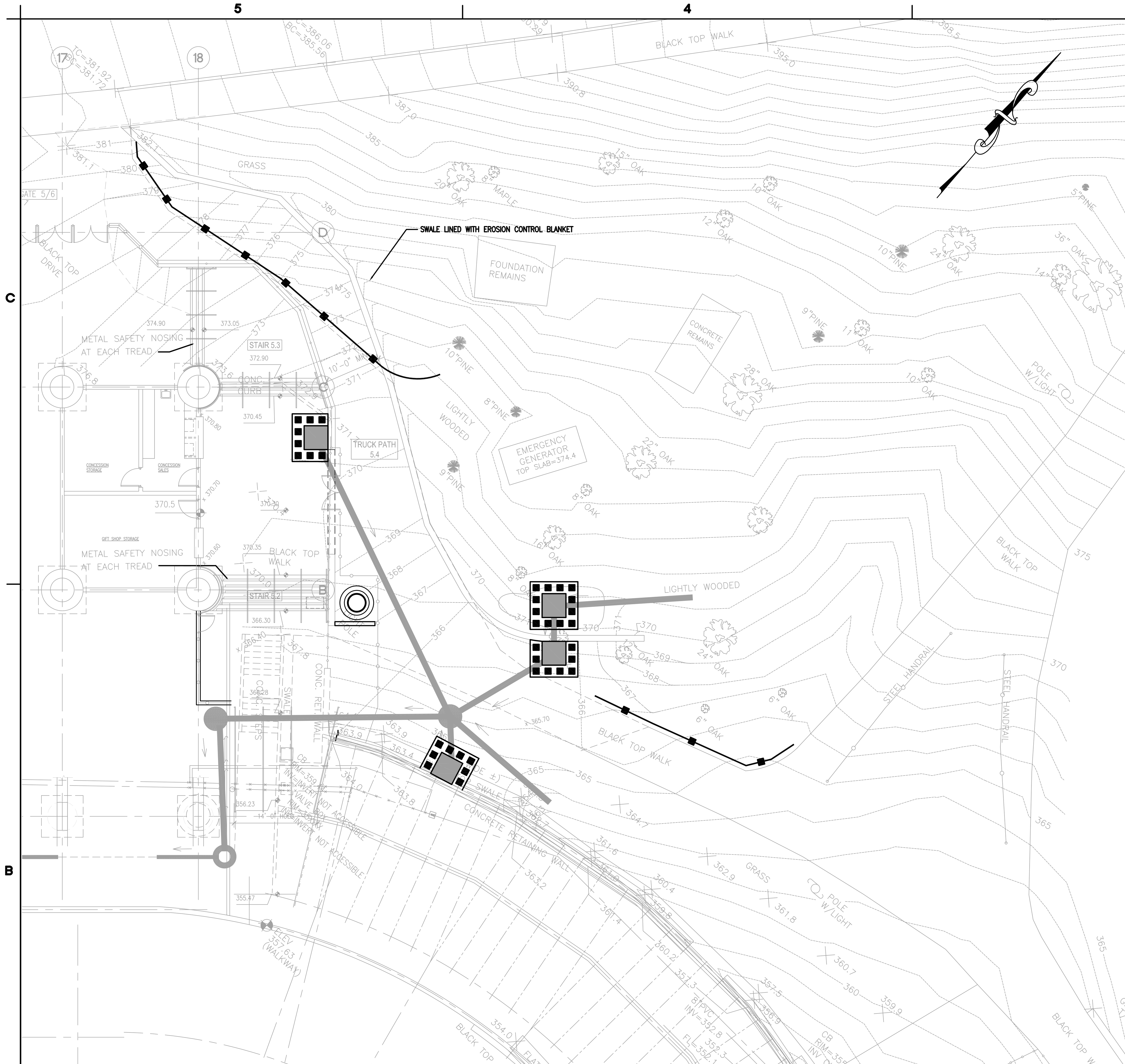
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD
WEST POINT, NEW YORK

CIVIL PLAN:
GRADING AND DRAINAGE AT NORTHWEST BLEACHERS

STATE OF NEW YORK
029383

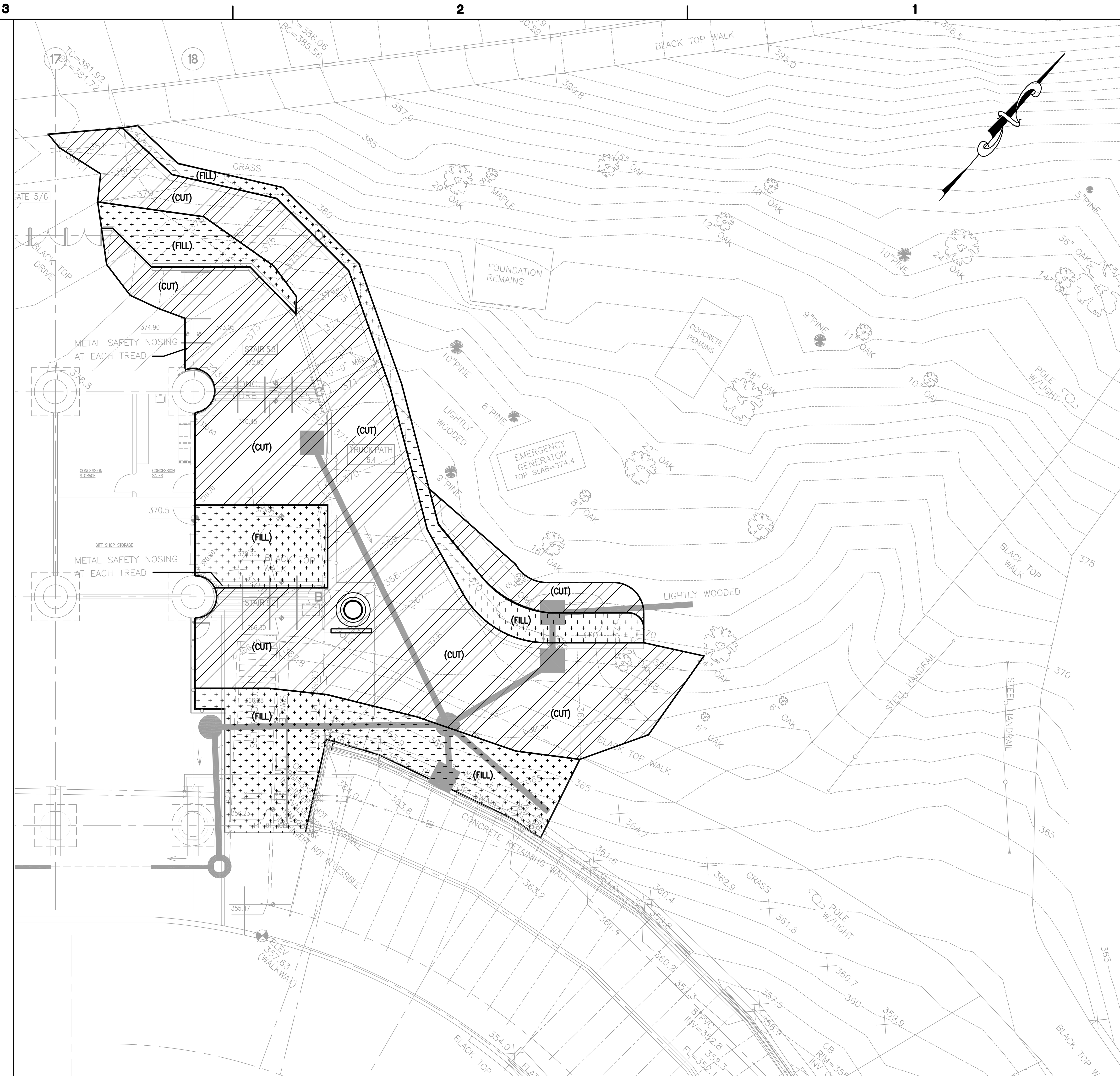
DRAWING
C1-01
7 OF 37

Time: 3:23 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\10981954.Michie Stadium\Phase A-1\CIVIL\C1-01.dwg



1 C1-02 SOIL EROSION + SEDIMENT CONTROL PLAN NORTHWEST CONCESSION PLAZA

SCALE : 1" = 10'



2 C1-02 CUT + FILL PLAN NORTHWEST CONCESSION PLAZA

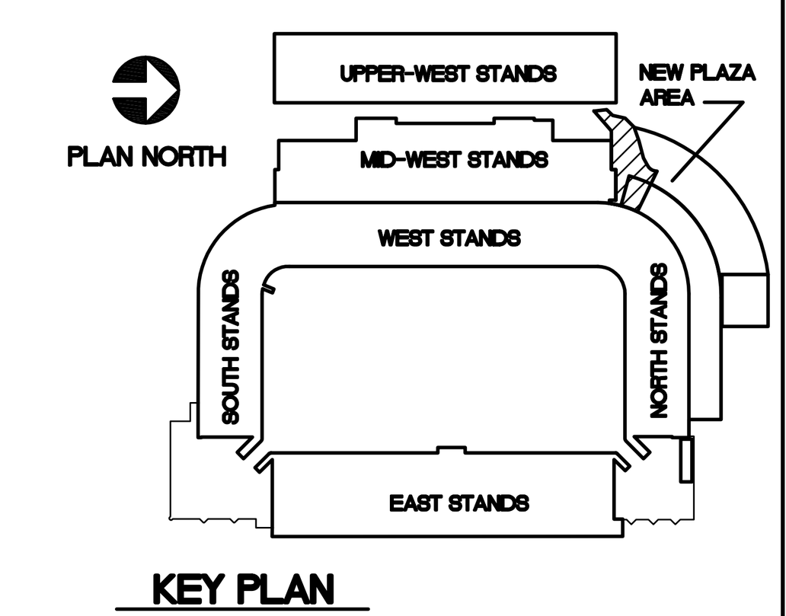
SCALE : 1" = 10'

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE AS PER THE CURRENT "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL" **(GUIDELINES).**
2. ALL TEMPORARY STOCKPILE AREAS SHALL BE CONTAINED WITH STAKED STRAW BALES OR SILT FENCE.
3. IF GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION, IT SHALL BE COLLECTED IN A SEDIMENT CONTROL BAG AWAY FROM RECEIVING WATER AND CONSTRUCTION ACTIVITIES AND DISPOSED OF AS PER MANUFACTURERS INSTRUCTIONS. BAGS SHALL NOT BE REUSED.
4. ALL SESC MEASURES SHALL BE INSPECTED PERIODICALLY AND AFTER EVERY STORM EVENT, MAINTAINED AND CORRECTED IMMEDIATELY AS NECESSARY.
5. ALL SITE ACCESS SHALL BE THROUGH A STABILIZED CONSTRUCTION ENTRANCE, AND SHALL NOT BE FROM THE PRIVATE DRIVE UNLESS APPROVED BY THE CONTRACTING OFFICER.
6. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
7. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 15 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY BE SCARIFIED, AND RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE STABILIZED WITH STRAW MULCH, EROSION CONTROL BLANKETS, OR EQUIVALENT MATERIAL.
8. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH WILL BE USED FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.
9. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E.: STEEP SLOPES, ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT.
10. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
11. ALL TEMPORARY AND PERMANENT SEEDING SHALL BE AS PER GUIDELINES AND IMMEDIATELY MULCHED.
12. DUST CONTROL, IF REQUIRED, SHALL BE AS PER GUIDELINES.
13. SILT FENCE LOCATION TO BE COORDINATED WITH THE CONTRACTING OFFICER THROUGHOUT CONSTRUCTION.

SESC LEGEND

- STONE & BLOCK INLET PROTECTION
- SILT FENCE



KEY PLAN
N.T.S.

STATE OF NEW YORK
029383

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.

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Drawn by: SK; GA; | Feature table: | Color table:
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PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK
CIVIL PLAN: SOIL EROSION + SEDIMENT CONTROL
NORTHWEST BLEACHERS + CONCESSION PLAZA

DRAWING C1-02

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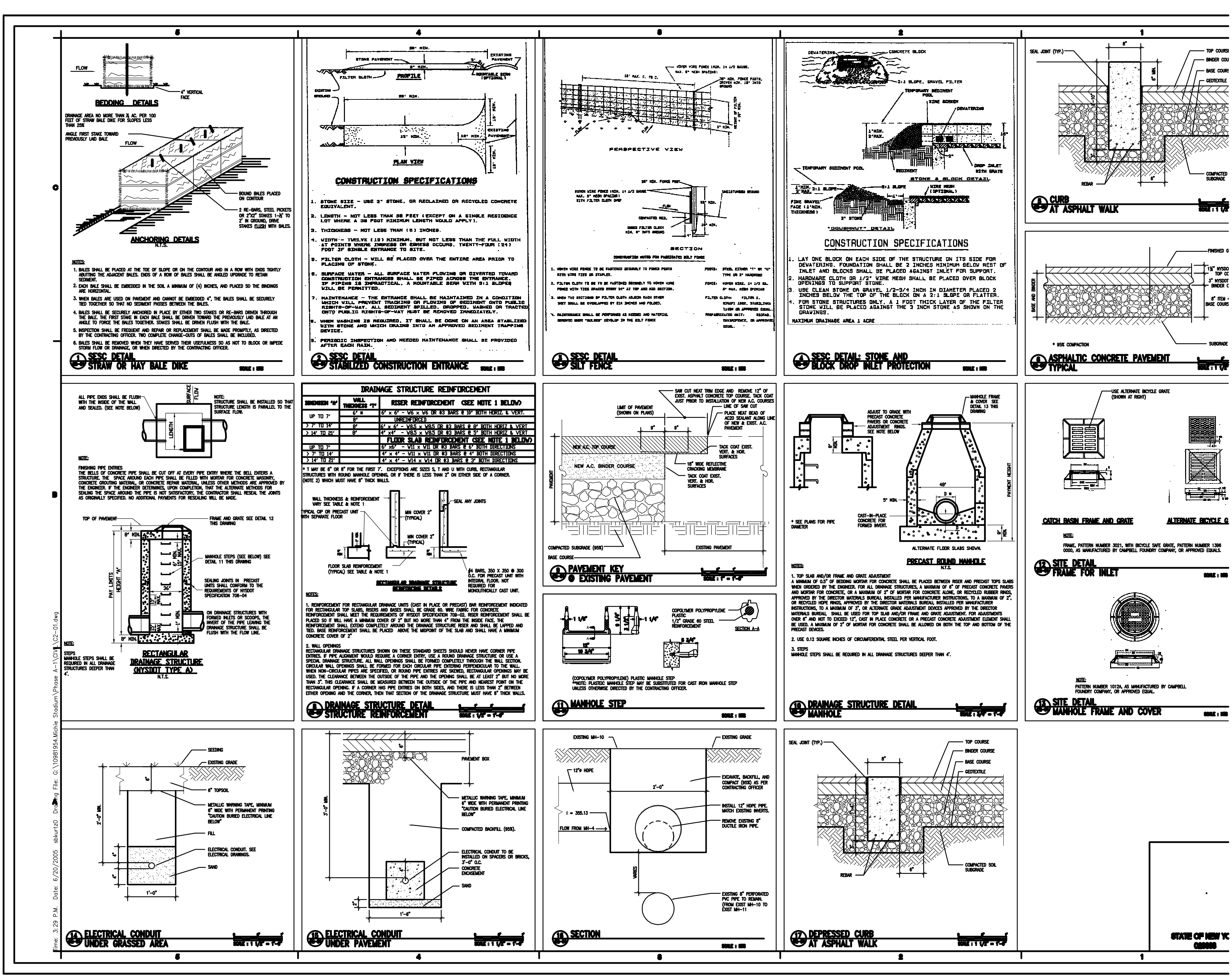
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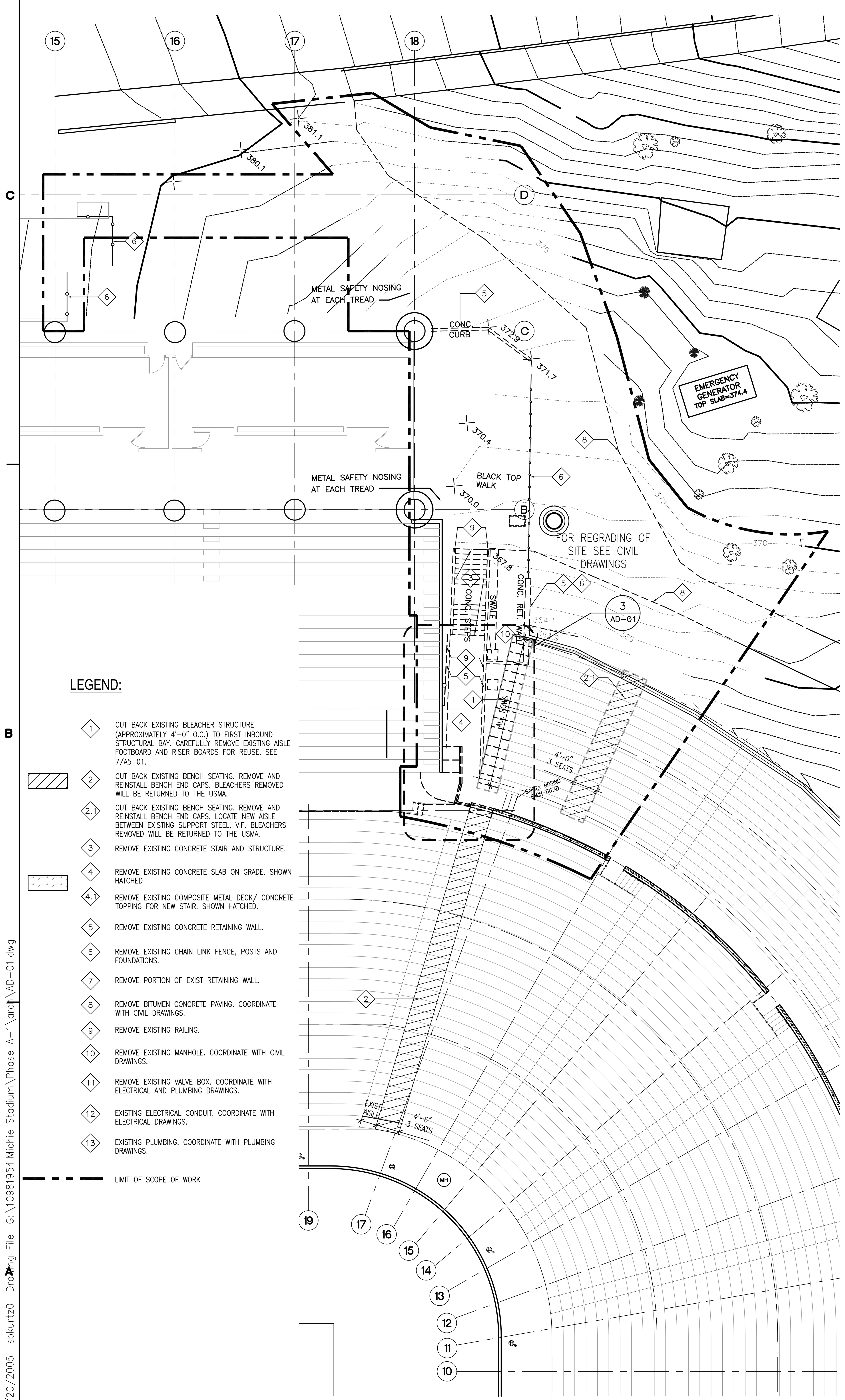
BEDDING DETAILS
DRAINAGE AREA NO MORE THAN ¼ AC. PER 100 FEET OF STRAW BALE DIKE FOR SLOPES LESS THAN 25%
ANGLE FIRST STAKE TOWARD PREVIOUSLY LAID BALE
4" VERTICAL FACE
BOUND BALES PLACED ON CONTOUR
2 RE-BARS, STEEL PICKETS OR 2"X2" STAKES 1-½' TO 2' IN GROUND. DRIVE STAKES FLUSH WITH BALES.
ANCHORING DETAILS
N.T.S.
NOTES:
1. BALES SHALL BE PLACED AT THE TOE OF SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES. ENDS OF A ROW OF BALES SHALL BE ANGLED UPGRADE TO RETAIN SEDIMENT.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. WHEN BALES ARE USED ON PAVEMENT AND CANNOT BE EMBEDDED 4", THE BALES SHALL BE SECURELY TIED TOGETHER SO THAT NO SEDIMENT PASSES BETWEEN THE BALES.
4. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
5. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY, AS DIRECTED BY THE CONTRACTING OFFICER. TWO COMPLETE CHANGE-OUTS OF BALES SHALL BE INCLUDED.
6. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE, OR WHEN DIRECTED BY THE CONTRACTING OFFICER.
1 SESC DETAIL STRAW OR HAY BALE DIKE SCALE: NTS
PROFILE
PLAN VIEW
CONSTRUCTION SPECIFICATIONS
1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN (6) INCHES.
4. WIDTH - TWELVE (12) MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
2 SESC DETAIL STABILIZED CONSTRUCTION ENTRANCE SCALE: NTS
PERSPECTIVE VIEW
SECTION
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE
3 SESC DETAIL SILT FENCE SCALE: NTS
STONE & BLOCK DETAIL
"DOUGHNUT" DETAIL
CONSTRUCTION SPECIFICATIONS
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.
MAXIMUM DRAINAGE AREA 1 ACRE
4 SESC DETAIL: STONE AND BLOCK DROP INLET PROTECTION SCALE: NTS
5 CURB AT ASPHALT WALK
6 ASPHALTIC CONCRETE PAVEMENT TYPICAL
ALL PIPE ENDS SHALL BE FLUSH WITH THE INSIDE OF THE WALL AND SEALED. (SEE NOTE BELOW)
NOTE: STRUCTURE SHALL BE INSTALLED SO THAT STRUCTURE LENGTH IS PARALLEL TO THE SURFACE FLOW.
NOTE: FINISHING PIPE ENTRIES THE BELLS OF CONCRETE PIPE SHALL BE CUT OFF AT EVERY PIPE ENTRY WHERE THE BELL ENTERS A STRUCTURE. THE SPACE AROUND EACH PIPE SHALL BE FILLED WITH MORTAR FOR CONCRETE MASONRY, CONCRETE GROUTING MATERIAL, OR CONCRETE REPAIR MATERIAL, UNLESS OTHER METHODS ARE APPROVED BY THE ENGINEER. IF THE ENGINEER DETERMINES, UPON COMPLETION, THAT THE ALTERNATE METHODS FOR SEALING THE SPACE AROUND THE PIPE IS NOT SATISFACTORY, THE CONTRACTOR SHALL RESEAL THE JOINTS AS ORIGINALLY SPECIFIED. NO ADDITIONAL PAYMENTS FOR RESEALING WILL BE MADE.
RECTANGULAR DRAINAGE STRUCTURE (NYSDOT TYPE A) N.T.S.
NOTE: STEPS MANHOLE STEPS SHALL BE REQUIRED IN ALL DRAINAGE STRUCTURES DEEPER THAN 4'.
DRAINAGE STRUCTURE REINFORCEMENT
8 DRAINAGE STRUCTURE DETAIL STRUCTURE REINFORCEMENT SCALE: 1/4" = 1'-0"
9 PAVEMENT KEY @ EXISTING PAVEMENT SCALE: 1" = 1'-0"
11 MANHOLE STEP SCALE: NTS
PRECAST ROUND MANHOLE N.T.S.
10 DRAINAGE STRUCTURE DETAIL MANHOLE SCALE: 3/4" = 1'-0"
CATCH BASIN FRAME AND GRATE
ALTERNATE BICYCLE GRATE
12 SITE DETAIL FRAME FOR INLET SCALE: NTS
13 SITE DETAIL MANHOLE FRAME AND COVER SCALE: NTS
14 ELECTRICAL CONDUIT UNDER GRASSED AREA SCALE: 1 1/2" = 1'-0"
15 ELECTRICAL CONDUIT UNDER PAVEMENT SCALE: 1 1/2" = 1'-0"
16 SECTION SCALE: NTS
17 DEPRESSED CURB AT ASPHALT WALK SCALE: 1 1/2" = 1'-0"
STATE OF NEW YORK

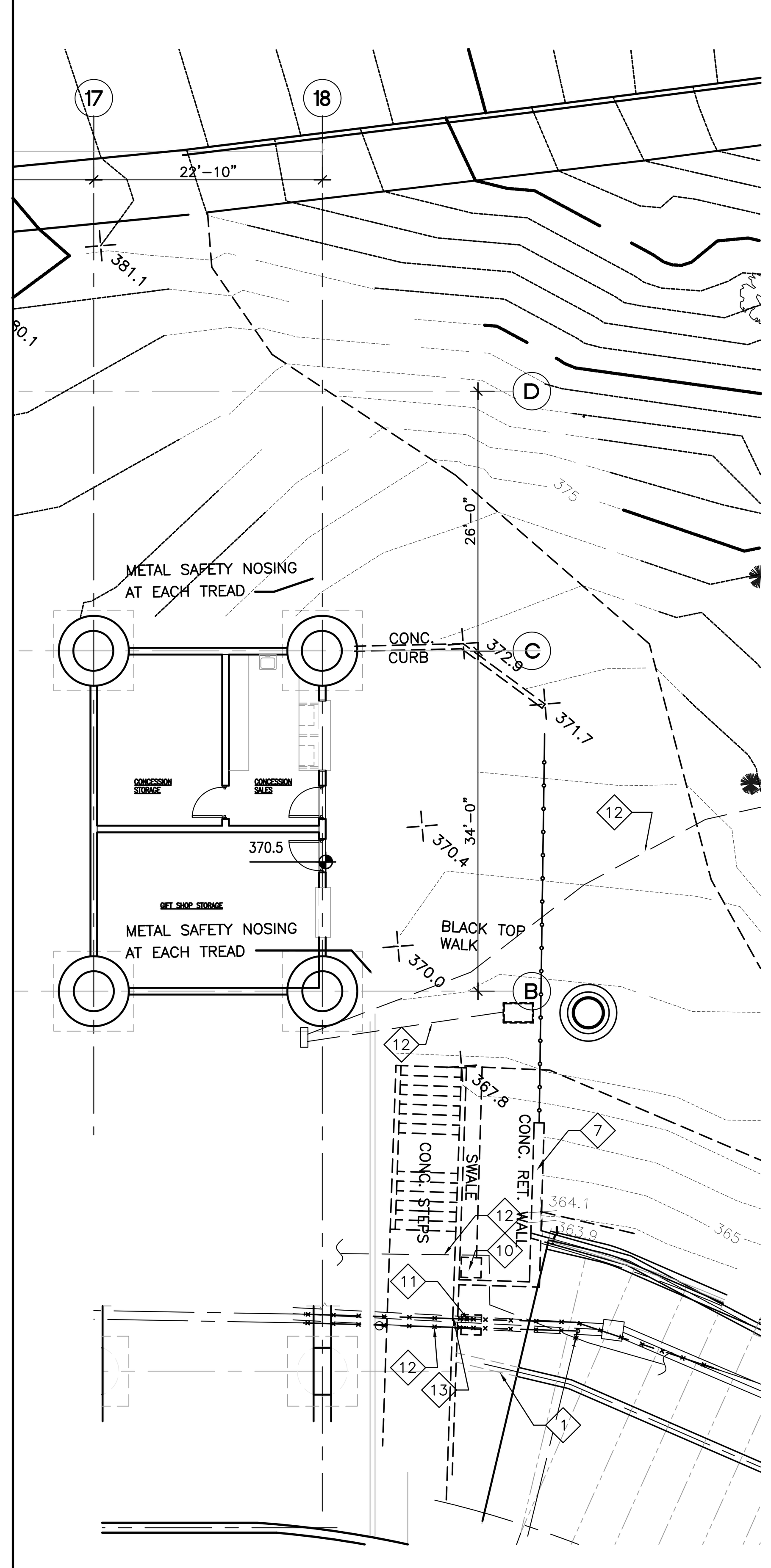


LEGEND:

	1	CUT BACK EXISTING BLEACHER STRUCTURE (APPROXIMATELY 4'-0" O.C.) TO FIRST INBOUND STRUCTURAL BAY. CAREFULLY REMOVE EXISTING AISLE FOOTBOARD AND RISER BOARDS FOR REUSE. SEE 7/A5-01.
(hatched)	2	CUT BACK EXISTING BENCH SEATING. REMOVE AND REINSTALL BENCH END CAPS. BLEACHERS REMOVED WILL BE RETURNED TO THE USMA.
	2.1	CUT BACK EXISTING BENCH SEATING. REMOVE AND REINSTALL BENCH END CAPS. LOCATE NEW AISLE BETWEEN EXISTING SUPPORT STEEL. VIF. BLEACHERS REMOVED WILL BE RETURNED TO THE USMA.
	3	REMOVE EXISTING CONCRETE STAIR AND STRUCTURE.
(hatched)	4	REMOVE EXISTING CONCRETE SLAB ON GRADE. SHOWN HATCHED
	4.1	REMOVE EXISTING COMPOSITE METAL DECK/ CONCRETE TOPPING FOR NEW STAIR. SHOWN HATCHED.
	5	REMOVE EXISTING CONCRETE RETAINING WALL.
	6	REMOVE EXISTING CHAIN LINK FENCE, POSTS AND FOUNDATIONS.
	7	REMOVE PORTION OF EXIST RETAINING WALL.
	8	REMOVE BITUMEN CONCRETE PAVING. COORDINATE WITH CIVIL DRAWINGS.
	9	REMOVE EXISTING RAILING.
	10	REMOVE EXISTING MANHOLE. COORDINATE WITH CIVIL DRAWINGS.
	11	REMOVE EXISTING VALVE BOX. COORDINATE WITH ELECTRICAL AND PLUMBING DRAWINGS.
	12	EXISTING ELECTRICAL CONDUIT. COORDINATE WITH ELECTRICAL DRAWINGS.
	13	EXISTING PLUMBING. COORDINATE WITH PLUMBING DRAWINGS.
— - - —		LIMIT OF SCOPE OF WORK

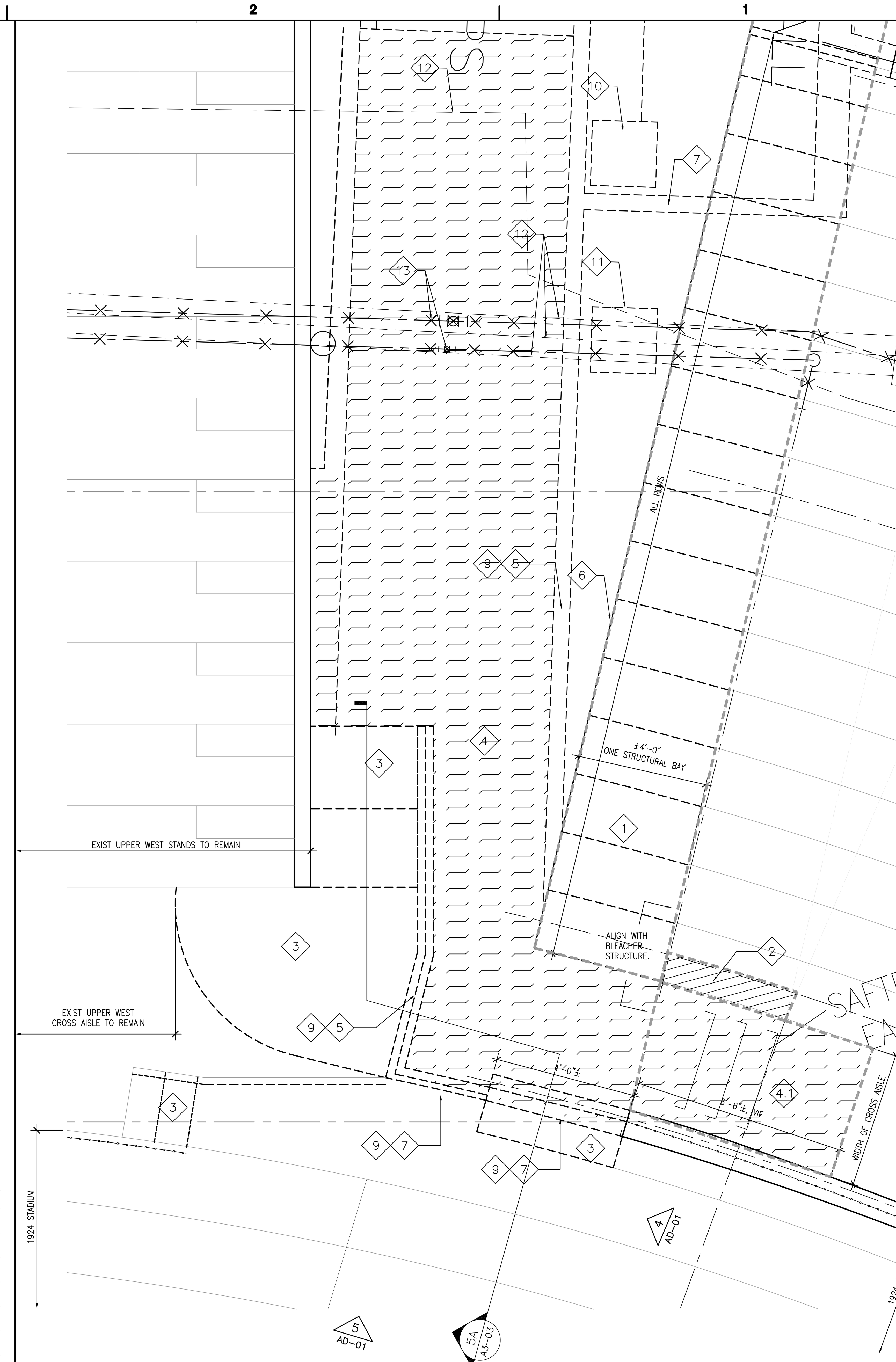
1 AD-01 DEMOLITION PLAN: NORTH BLEACHER STANDS — SCALE : 3/32" = 1'-0"

2 AD-01 DEMOLITION PLAN: UNDER NORTH BLEACHER STANDS — SCALE : 3/32" = 1'-0"

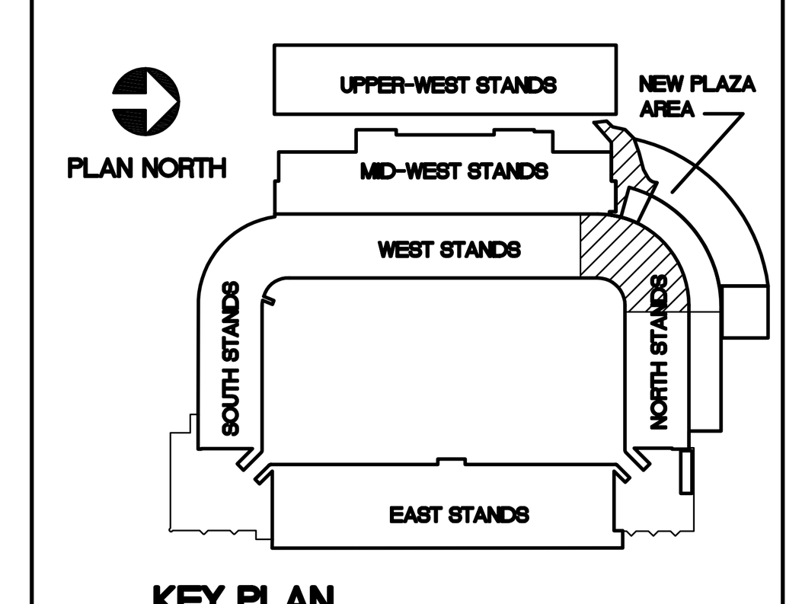


4 AD-01 IMAGE — SCALE : 1/2" = 1'-0"

5 AD-01 IMAGE — SCALE : 1/2" = 1'-0"



3 AD-01 ENLARGED PLAN DETAIL @ 1924 STADIUM/NORTH BLEACHER — SCALE : 1/2" = 1'-0"



KEY PLAN
N.T.S.

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US Army Corps of Engineers
New York District

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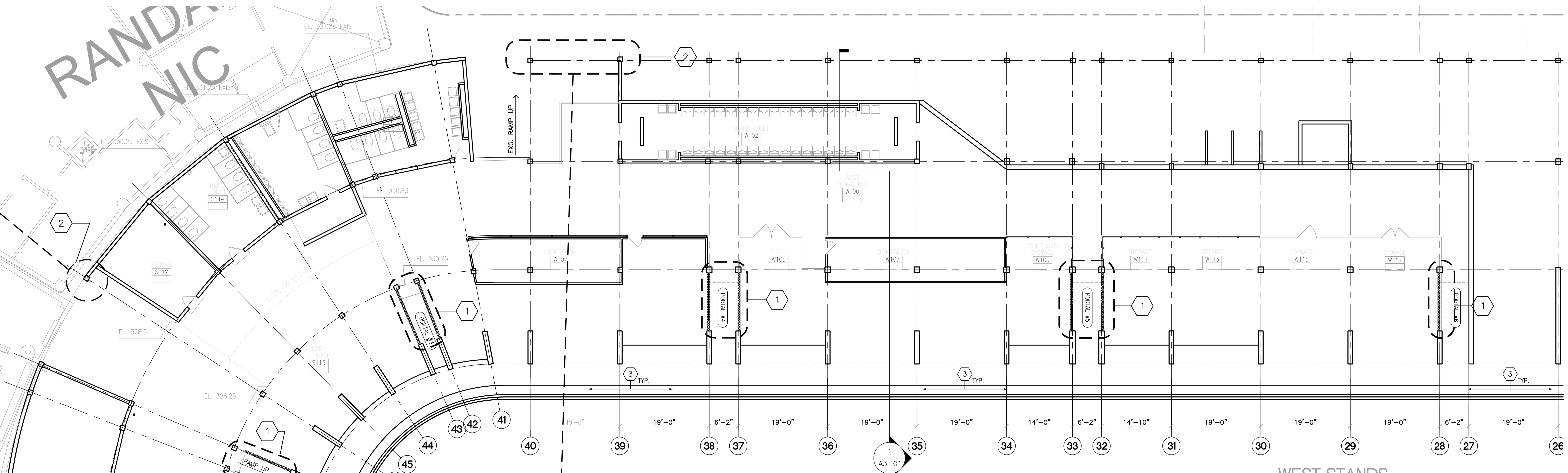
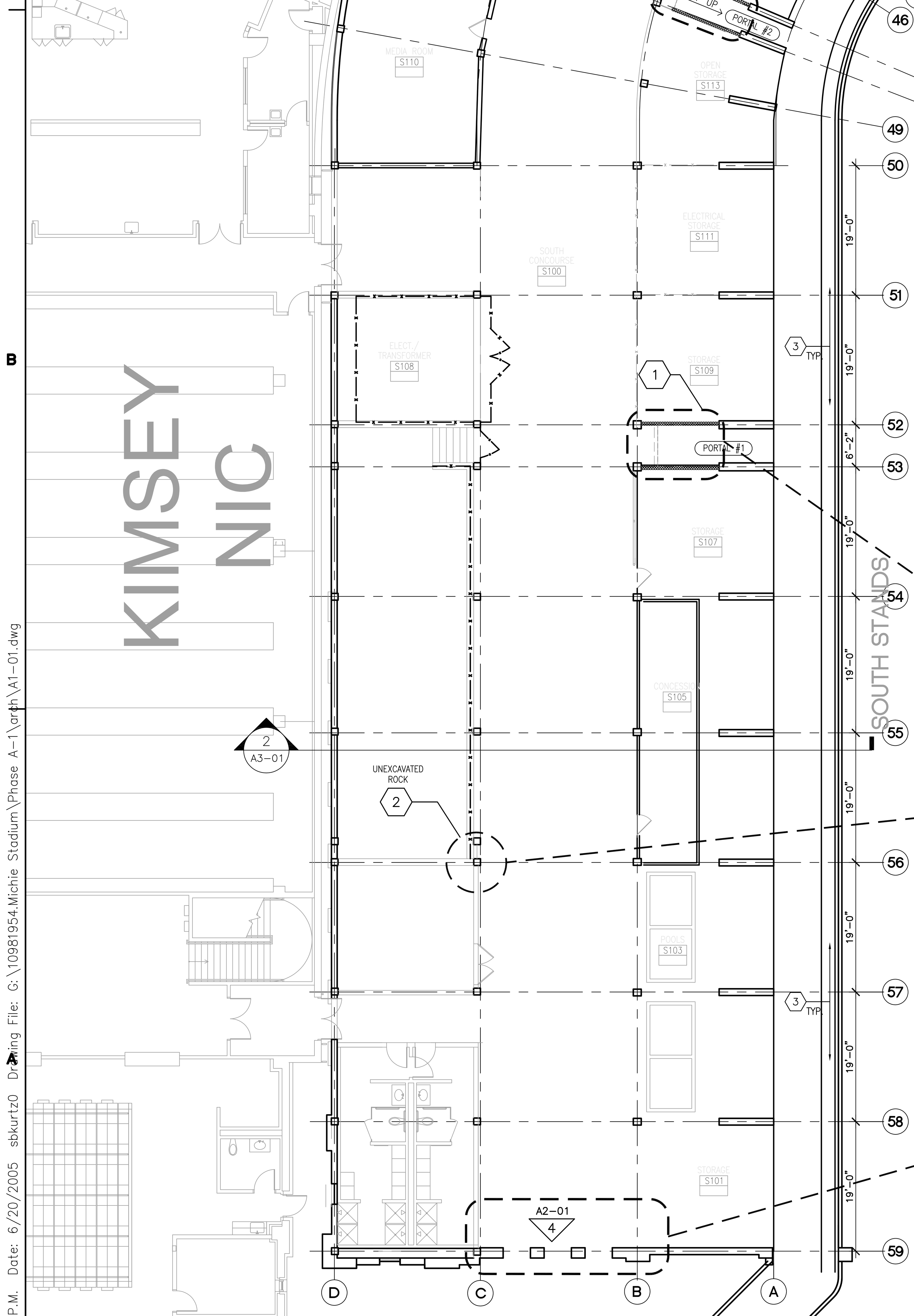
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA - STONY LONESOME ROAD, WEST POINT, NEW YORK

ARCHITECTURAL DEMOLITION: NORTHWEST STANDS AND EGRESS PATH

DRAWING AD-01
10 OF 37

Time: 2:53 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\10981954.Michie Stadium\Phase A-1\arch\AD-01.dwg

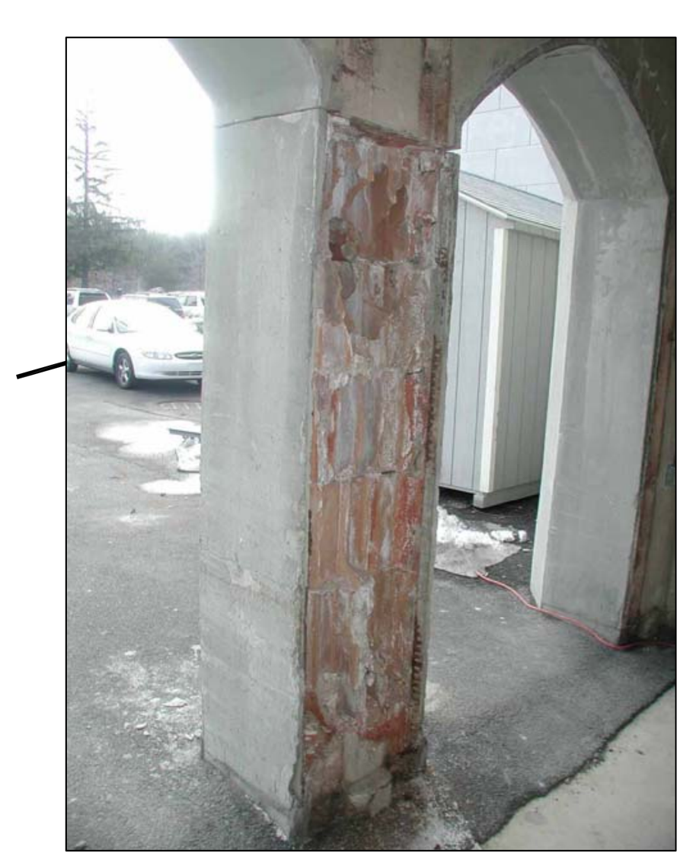




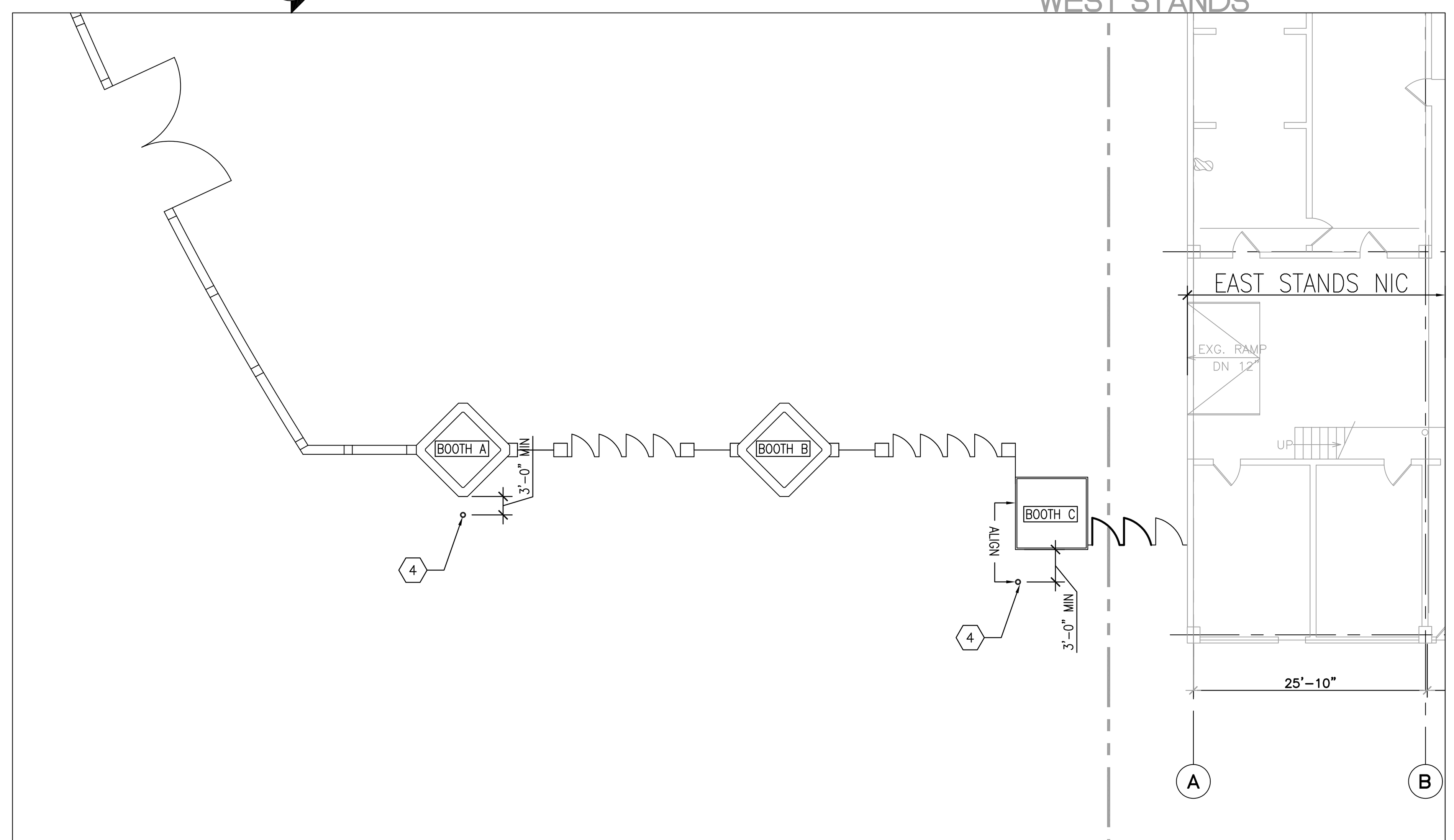
LEGEND / SYMBOLS

1. REMOVE ALL EXIST PIPE RAIL, CHAIN LINK FENCE OR WOOD INFILL CONSTRUCTION AT THIS AREA ONLY. INFILL WALL AS PER DETAIL 3/A3-01.
2. STRUCTURAL REPAIRS. SEE DRAWING S6-01.
3. CLEAN OUT ENTIRE LENGTH OF TRENCH. SEE DETAIL 4/A3-01.
4. BOLLARD WITH ELECTRICAL PULLBOX. SEE DETAIL 4/A5-01. LOCATION TO BE DETERMINED IN THE FIELD.COORDINATE WITH ELECTRICAL.
5. REMOVE EXISTING PAVEMENT AND PATCH TO MATCH. COORDINATE WITH CIVIL AND ELECTRICAL DRAWINGS.

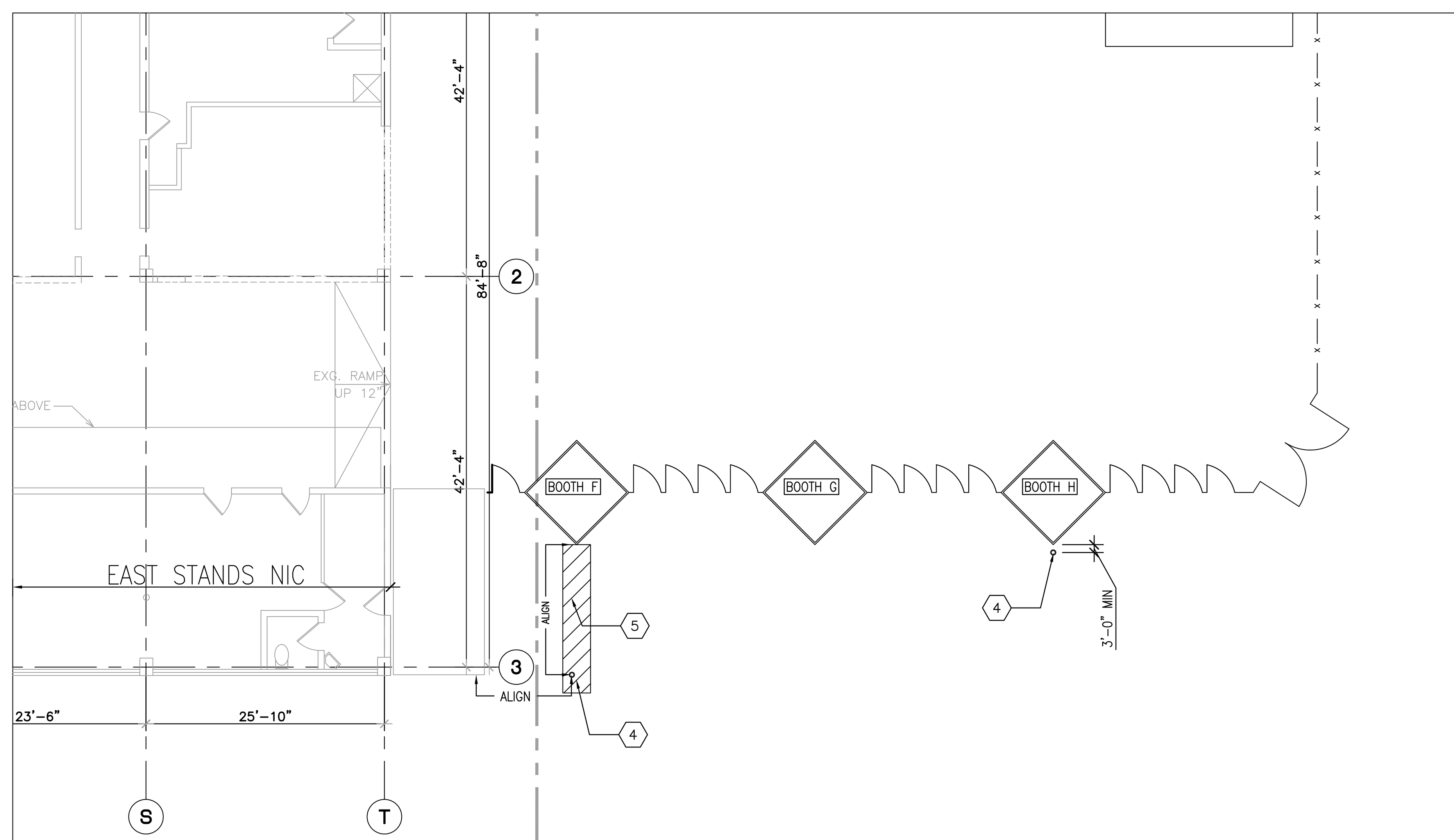

TYPICAL



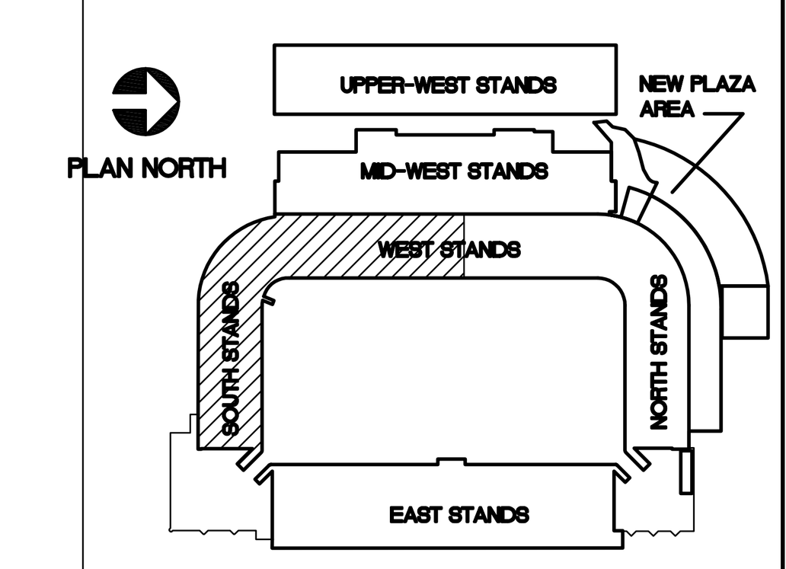
1 (A1-01) PLAN @ LOWER CONCOURSE SOUTH – WEST STANDS
SCALE : 3/32" = 1'-0"



2 (A1-01) PLAN @ GATE 1 SOUTH STANDS
SCALE : 3/32" = 1'-0"



3 (A1-01) PLAN @ GATE 3 NORTH STANDS
SCALE : 3/32" = 1'-0"



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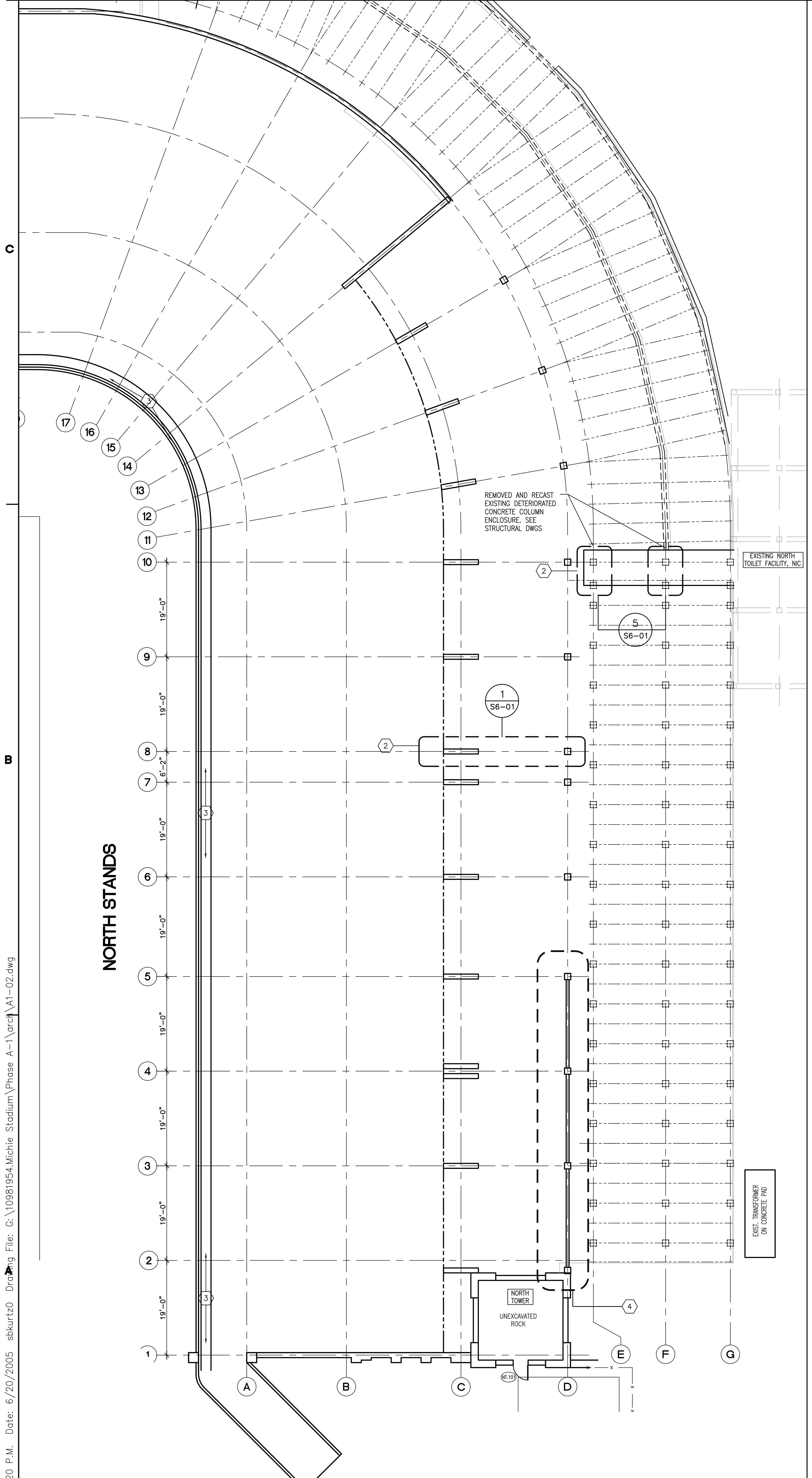
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK

PLAN: LOWER CONCOURSE; SOUTH AND WEST STANDS; GATE 1; GATE 3;

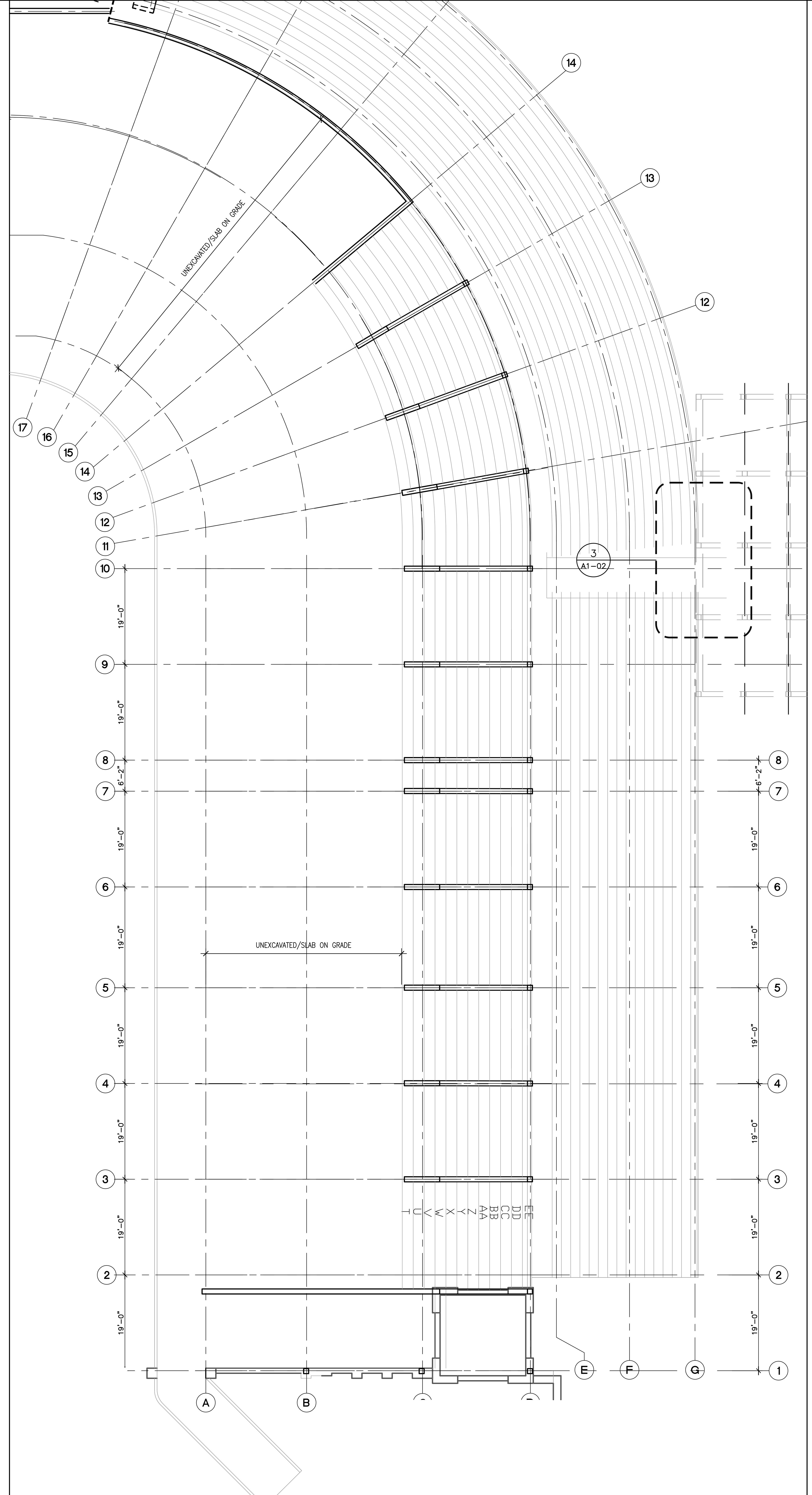
DRAWING
A1-01
11 OF 37

Time: 12:50 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\10981954.Michie Stadium\Phase A-1\arch\A1-01.dwg



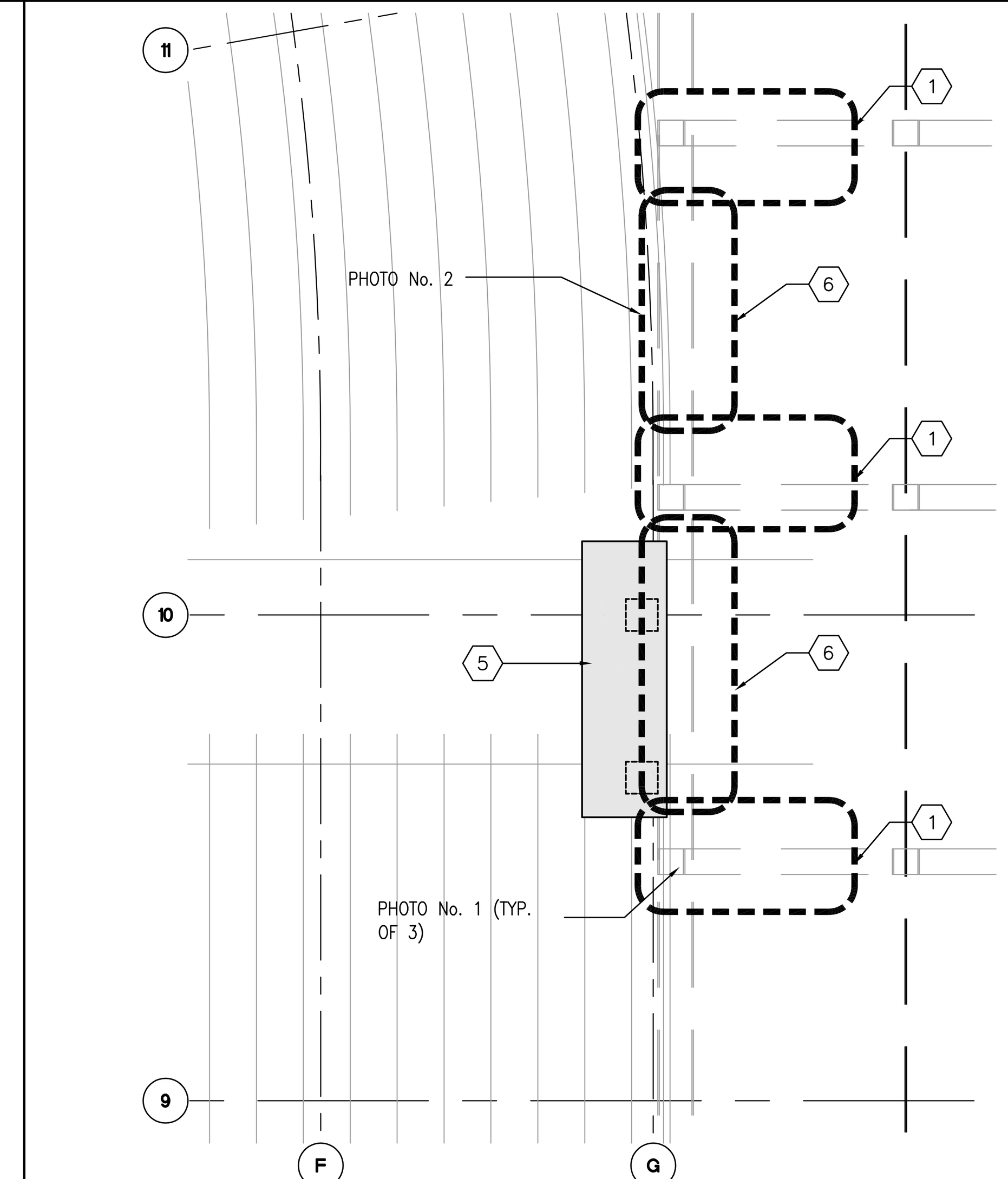
1 A1-02 FOUNDATIONS PLAN BELOW NORTH STANDS

SCALE : 3/32" = 1'-0"



2 A1-02 PARTIAL REFLECTED CEILING PLAN BELOW NORTH STANDS

SCALE : 3/32" = 1'-0"



3 A1-02 STRUCTURAL REPAIR UNDER NORTH TOILET

SCALE : 3/16" = 1'-0"

PHOTO: EXISTING CONDITION

PHOTO No. 1

SPALLED CONCRETE AT EXISTING REINFORCED CONCRETE BEAM (TYP. OF 3).

PHOTO No. 2

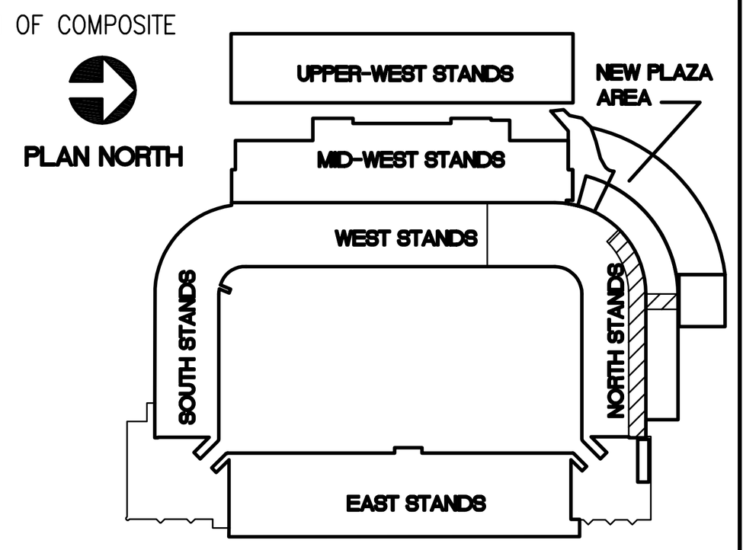
EXISTING RUSTED STEEL BEAM ±13'-3"L (TYP. OF 2).

LEGEND / SYMBOLS

1. REPAIR CONCRETE BEAM ABOVE. SEE DETAIL 10/A4-01
2. STRUCTURAL REPAIRS. SEE DRAWING S6-01.
3. CLEAN OUT ENTIRE LENGTH OF TRENCH. SEE DETAIL 4/A3-01.
4. REFER TO ELEVATION 11/A2-01
5. CUT OUT AND REPLACE DETERIORATED PORTION OF COMPOSITE METAL DECK. SEE DETAIL 6/A5-01.
6. SCRAPE RUSTED STEEL BEAMS. PRIME AND APPLY 2 COATS OF EPOXY PAINT. SEE PHOTO 2.

ST.101 DOOR ID

PLAN NORTH



KEY PLAN
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US Army Corps of Engineers
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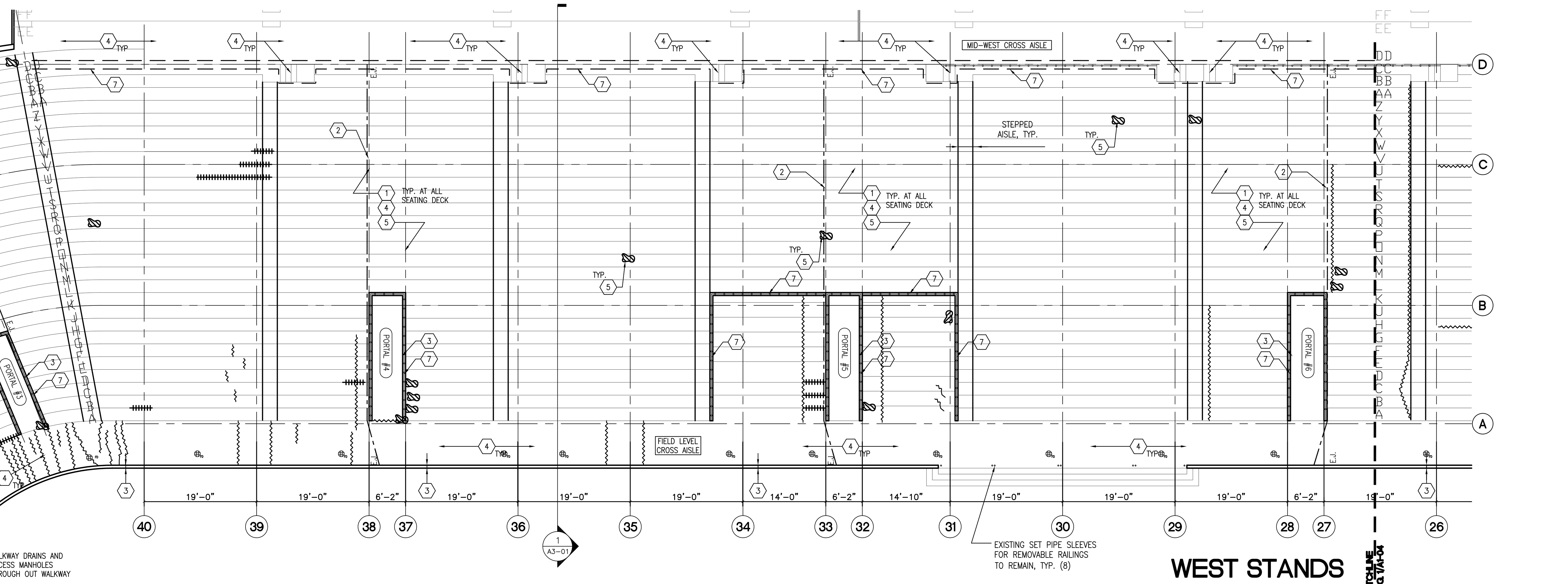
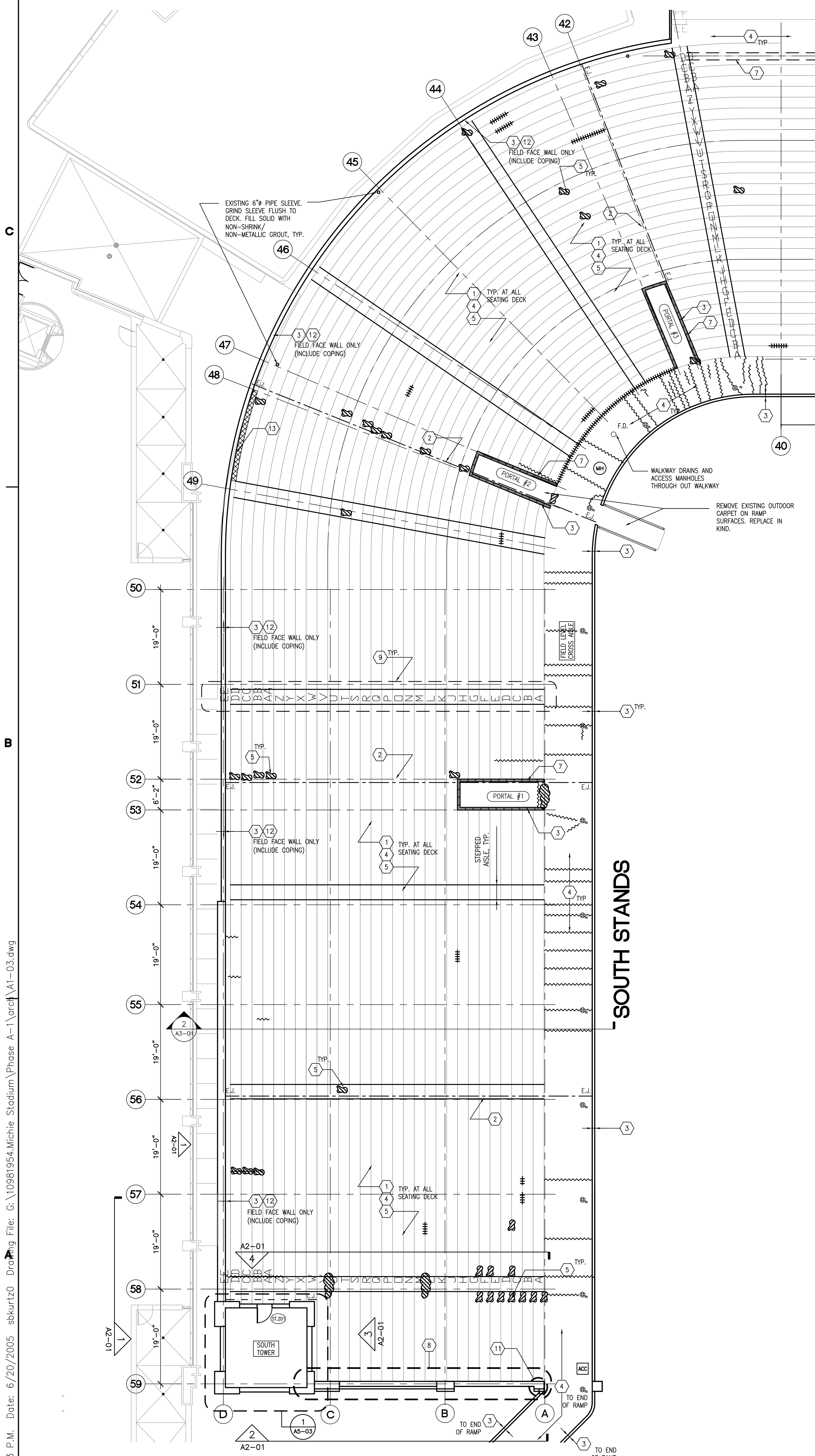
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK

PARTIAL PLAN • NORTH STANDS: UNDER DECK; REFLECTED CEILING PLAN

DRAWING A1-02





1 A1-03 SEATING DECK PLAN
SOUTH AND WEST STANDS
SCALE : 3/32" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR SHALL VISIT THE SITE AND CONFIRM THE EXISTING CONDITIONS AND HOW SUCH CONDITIONS AFFECT THE EXECUTION OF THE WORK. ALL DAMAGED CONCRETE WITHIN THE AREAS OF WORK SHOWN SHALL BE RESTORED UNDER THIS CONTRACT. CONTRACTOR SHALL NOTIFY ARCHITECT IF ANY DISCREPENCIES BETWEEN BID DOCUMENTS AND EXISTING CONDITIONS.
2. THIS DRAWING REPRESENTS DAMAGE TO THE CONCRETE SEATING DECK ON BOTH VERTICAL AND HORIZONTAL SURFACES.
3. GRAPHIC IDENTIFICATION OF DAMAGE IS PROVIDED TO ASSIST BIDDER/CONTRACTOR IN ASSESSING THE VARIETY OF CONDITIONS, LOCATIONS, AND DISBURSEMENT OF THE REPAIR AREAS. LOCATIONS ARE APPROXIMATE. SPECIFIC REPAIRS ARE QUANTIFIED ON THE UNIT PRICE SCHEDULE.
4. SIZE OF THE REPAIR AREAS VARY.
5. REFER TO SPECIFICATION FOR REPAIR DESCRIPTIONS.
6. REFER TO TYPICAL REPAIR DETAILS ON DRAWING A4-01 AND A4-02.
7. FOR PHASING DATES AND RESTRICTIONS SEE DRAWINGS T1-01, T1-02 AND T1-03.

SEQUENCE OF WORK:

THIS SEQUENCE OF WORK IS INDICATED TO ASSIST THE CONTRACTOR IN DETERMINING A WORK PLAN. IT IS NOT INTENDED TO BE A FULL SCOPE OF WORK DESCRIPTION.

- REMOVE ALL SEATS AND STANCHIONS AS PER DETAIL 1A/A4-02. STORE AND PROTECT SEATS AND STANCHIONS AT LOCATION DETERMINED BY OWNER.
- REPLACE EXISTING TREADED ROD AT STANCHIONS AS PER DETAIL 1B/A4-02.
- CLEAN ALL HORIZONTAL AND VERTICAL SURFACE AREAS TO SOUND SUBSTRATE, AS PER SPECIFICATIONS.
- REMOVE EXISTING EXPANSION JOINT. INSTALL NEW EXPANSION JOINT AS PER DETAIL 13/A4-01.
- REPAIR ALL SPALLS AND CRACKS AS PER DETAILS ON SHEET A4-01.
- COAT ALL AREAS WITHIN THE AREA OF WORK AS PER SPECIFICATIONS.
- REPAINT NUMBERS ONTO VERTICAL SURFACE OF AISLE STEPS AS PER SHEET A7-02.
- REPAINT (STENCIL) ALL SEATING PLANKS (SEATING NUMBERS) COMPLETE AS PER SHEET A7-02.
- REINSTALL EXISTING SEATS AND STANCHIONS AS PER DETAIL 1B/A4-02.

LEGEND KEY NOTES: (INDICATES WORK SHOWN GRAPHICALLY ON DRAWINGS A1-03 AND A1-04)

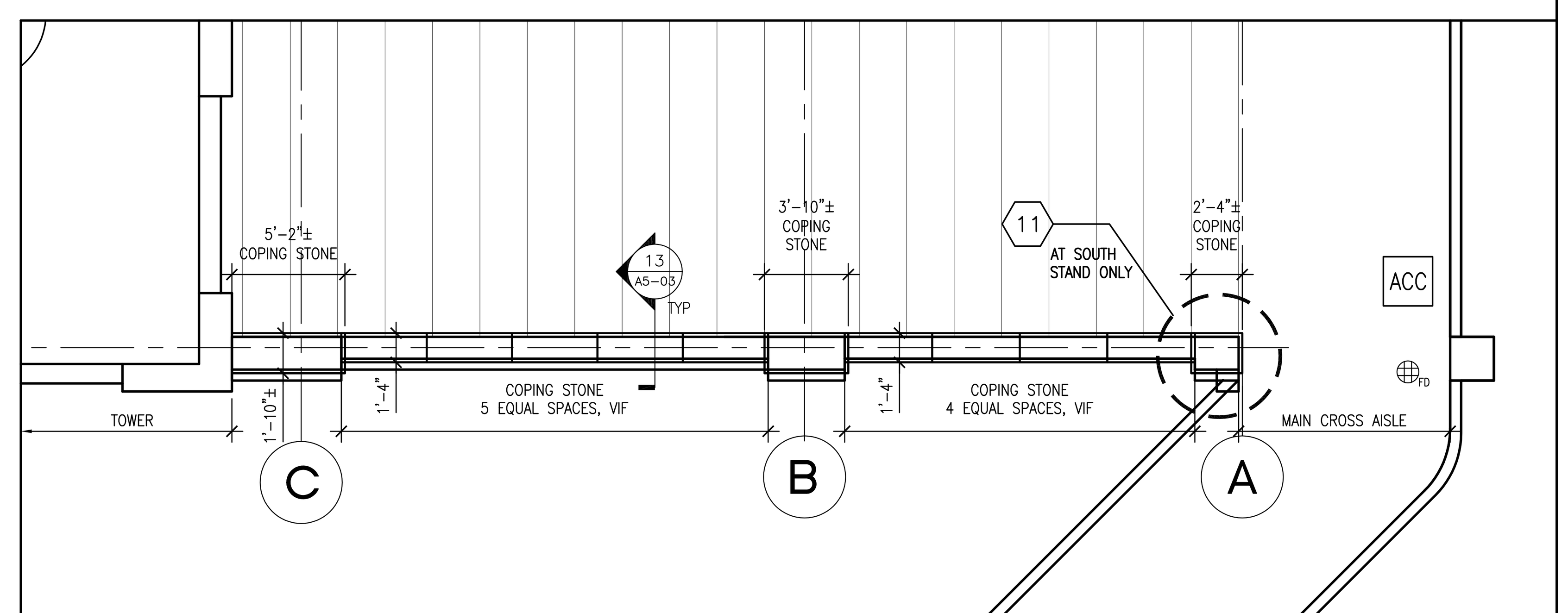
1. • CAREFULLY REMOVE ALL ALUMINUM SEATING PLANKS AND SUPPORT STANCHIONS AS PER DETAIL 1A/A4-02. STORE FOR REINSTALLATION AFTER REPAIRS ARE COMPLETED.
   • REPLACE EXISTING TREADED ROD AT STANCHIONS TYPICAL AT ALL SEATING BENCHES AS PER DETAIL 1B/A4-02
   • REPAINT (STENCIL) ALL SEATING PLANKS (SEATING NUMBERS) COMPLETE AS PER DETAIL 6/A7-02 AND 8/A7-02
   • AFTER CONCRETE REPAIRS ARE COMPLETED, REINSTALL EXISTING SEATS AND STANCHIONS.
2. REMOVE AND MODIFY EXISTING EXPANSION JOINT MATERIAL. SEE DETAIL 13/A4-01
3. EXTERIOR CONCRETE WALLS/PARAPETS TO BE CLEANED AND COATED ON ALL EXPOSED SIDES. PLUG/FILL ALL HOLES AT THE TOP OF THE PARAPET SOLID WITH LEAD.

3A. EXTERIOR CONCRETE AND TERRA COTTA WALLS/PARAPETS TO BE CLEANED AND COATED ON ALL EXPOSED SIDES. PLUG/FILL ALL HOLES AT THE TOP OF THE PARAPET SOLID WITH NON-SHRINK/NON-METALLIC GROUT. FOR REPAIRS SEE DETAILS CP1 AND C-1/A4-01.

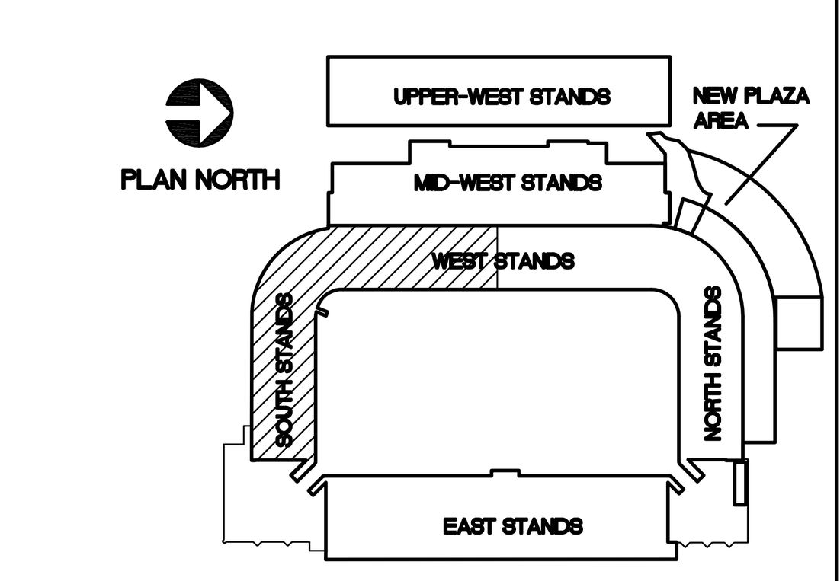
4. • ALL CONCRETE SEATING DECK SURFACES SHALL BE CLEANED, FREE AND CLEAR OF ALL EXISTING COATINGS DOWN TO SUBSTRATE. REFER TO SPECIFICATIONS.
   • AFTER CONCRETE REPAIRS, COATINGS SHALL BE APPLIED AS INDICATED. REFER TO SPECIFICATION.
5. KEYNOTE DESIGNATES SPALLED CONCRETE.
   DAMAGE MAY BE ON HORIZONTAL OR VERTICAL SURFACES. REFER TO SPECIFICATION AND DETAIL DRAWINGS FOR REPAIR TYPES. REFER TO UNIT PRICE SCHEDULE FOR BID QUANTITIES.
6. KEYNOTE DESIGNATES CRACKED CONCRETE.
   DAMAGE MAY BE ON HORIZONTAL OF VERTICAL SURFACES. REFER TO SPECIFICATION AND DETAIL DRAWINGS FOR REPAIR TYPES. REFER TO UNIT PRICE SCHEDULE FOR BID QUANTITIES.
7. SCRAPE AND PAINT EXISTING PIPE RAIL. ABATE WHERE NECESSARY. SEE SPECIFICATIONS FOR LEAD BASED PAINT REMOVAL WHERE INDICATED ON ENVIRONMENTAL DRAWINGS.
8. SEE ENLARGED PLAN DETAIL 2/A1-03.
   REMOVE EXISTING FORMED CONCRETE COPING ALONG ENTIRE LENGTH OF WALL. RESTORE EXISTING SURFACE TO RECEIVE NEW CONCRETE COPING AS PER DETAIL 13/A5-03.
9. REPAINT THE ROW NUMBERS BACK ONTO THE CONCRETE VERTICAL RISER AT ALL AISLES. LETTERS SHOWN ON HORIZONTAL SURFACE FOR CLARITY (TYP. ALL SEATING DECK AISLES).
   REFER TO DRAWING A7-01
10. NEW HANDRAIL. SEE DRAWING A5-01
11. DEMOLISH EXISTING TERRACOTTA PIER. REPLACE TO MATCH EXISITNG.
12. RAKE OUT UNDER COPING AND CAULK.
13. REMOVE EXISTING TREAD AND RISER. REPLACE TO MATCH EXISTING.
14. REMOVE AND REPLACE COMPOSITE DECK. SEE DETAIL 6/A5-01
15. PROVIDE CONTINUOUS COLD JOINT AT EITHER SIDE OF CONCRETE INFILL AT TOP OF AISLE. PROVIDE BACKER ROD AND SEALANT.
16. • WALLS: REMOVE ALL DAMAGED CONCRETE AND CEMENT PLASTER FINISH MATERIAL EACH SIDE OF WALL. REPAIR WALL AS PER TYPICAL RESTORATION DETAILS AND SPECS.FORM TO MATCH ORIGINAL PROFILES.
    • COPING: REMOVE EXISTING DAMAGED COPING AND PIPE RAIL INSERTS. NEW COPING TO MATCH EXISTING AND CAST IN NEW RAIL SLEEVES SIM TO 14/A5-01 AND INSTALL NEW RAIL TO MATCH EXIST.

GRAPHICS LEGEND:

E.J.	EXPANSION JOINT. SEE KEYNOTE 2.
~~	CRACKED CONCRETE. SEE KEYNOTE 6.
++++	SPALL AT EDGE OF RISER. SEE KEYNOTE 5
	SPALLED CONCRETE. SEE KEYNOTE 5. (MAY BE VERTICAL OR HORIZONTAL)
	EXISTING PIPE RAIL. SEE KEYNOTE 7.
	DETAIL OR KEYNOTE REFERENCE
ST.101	DOOR ID



2 A1-03 ENLARGED PLAN
@ SIDE PARAPET WALL
SCALE : 3/16" = 1'-0"



KEY PLAN
N.T.S.

STATE OF NEW YORK
029383

US Army Corps of Engineers
New York District

URS
SAN FRANCISCO
WAYNE
PARAMUS
NYC
BUFFALO

Scale: AS NOTED
Drawn by: SK; GA; Checked by: TS;
Design file: 10981954.00000
File No.: 7687-16472
Size: 30x42
Date: 06.28.05
Designed by: SK; Checked by: TS;

PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA - STONY LONESOME ROAD WEST POINT, NEW YORK

PLAN • SEATING DECK, SOUTH AND PART WEST STANDS

DRAWING
A1-03
13 OF 37

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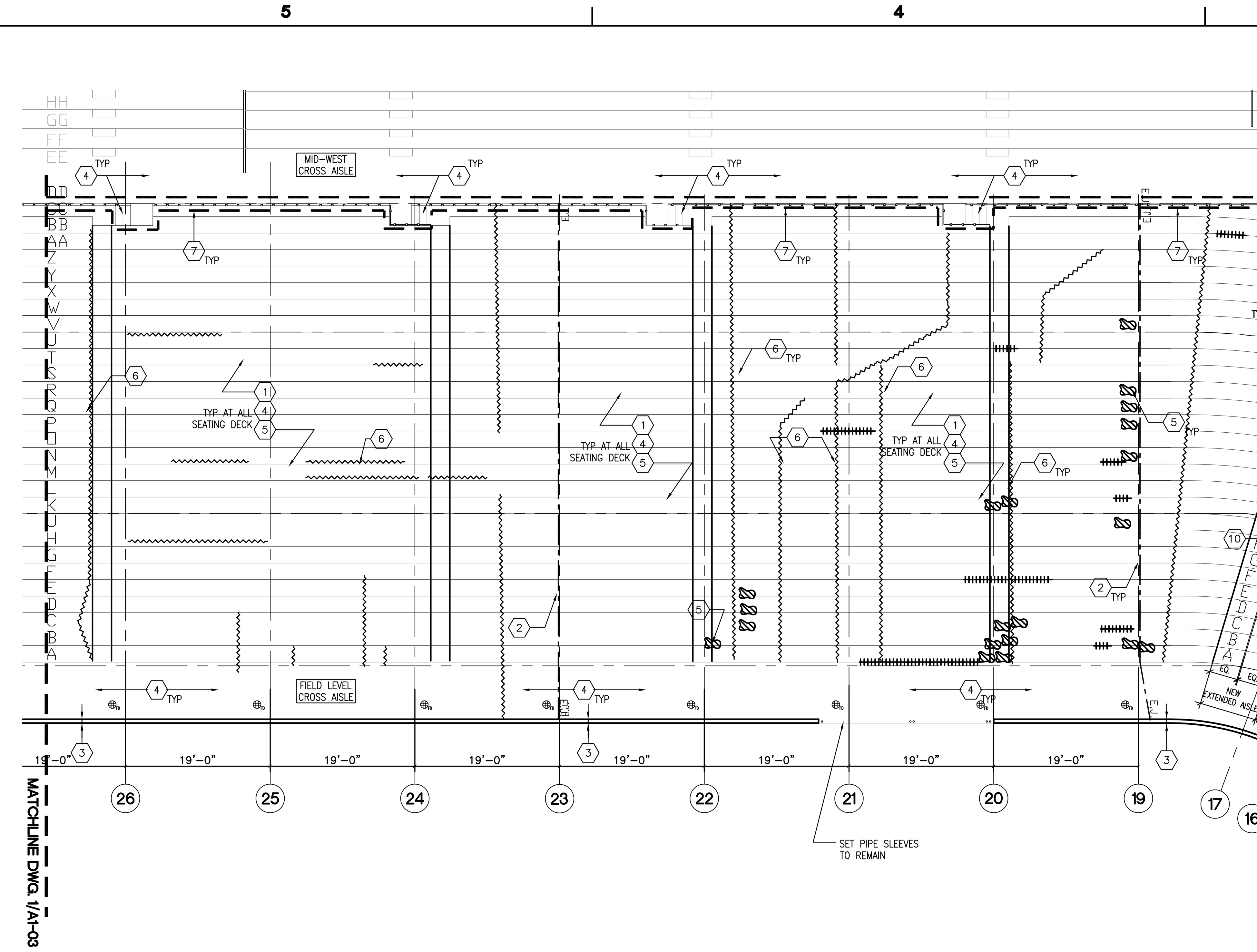


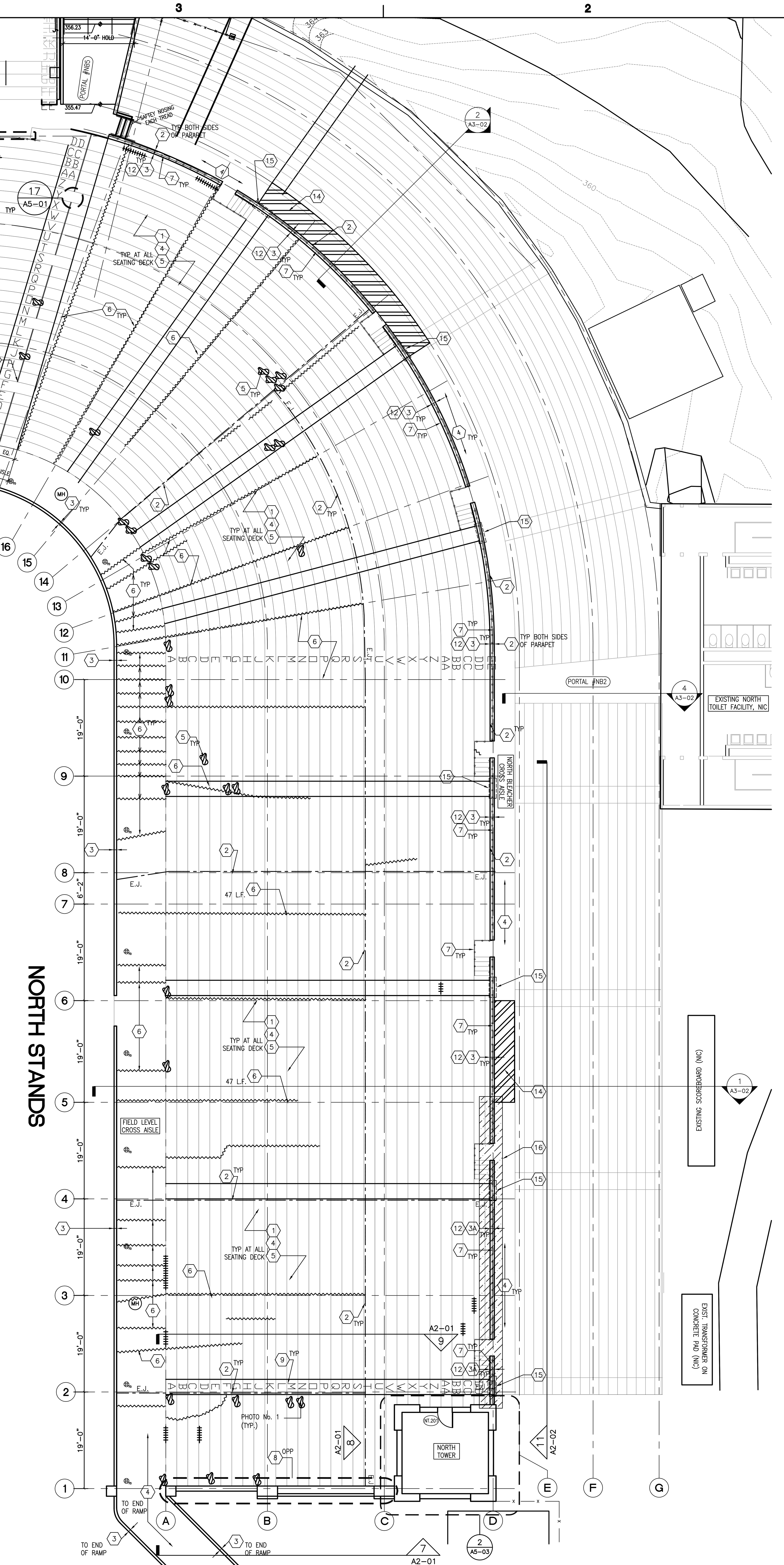
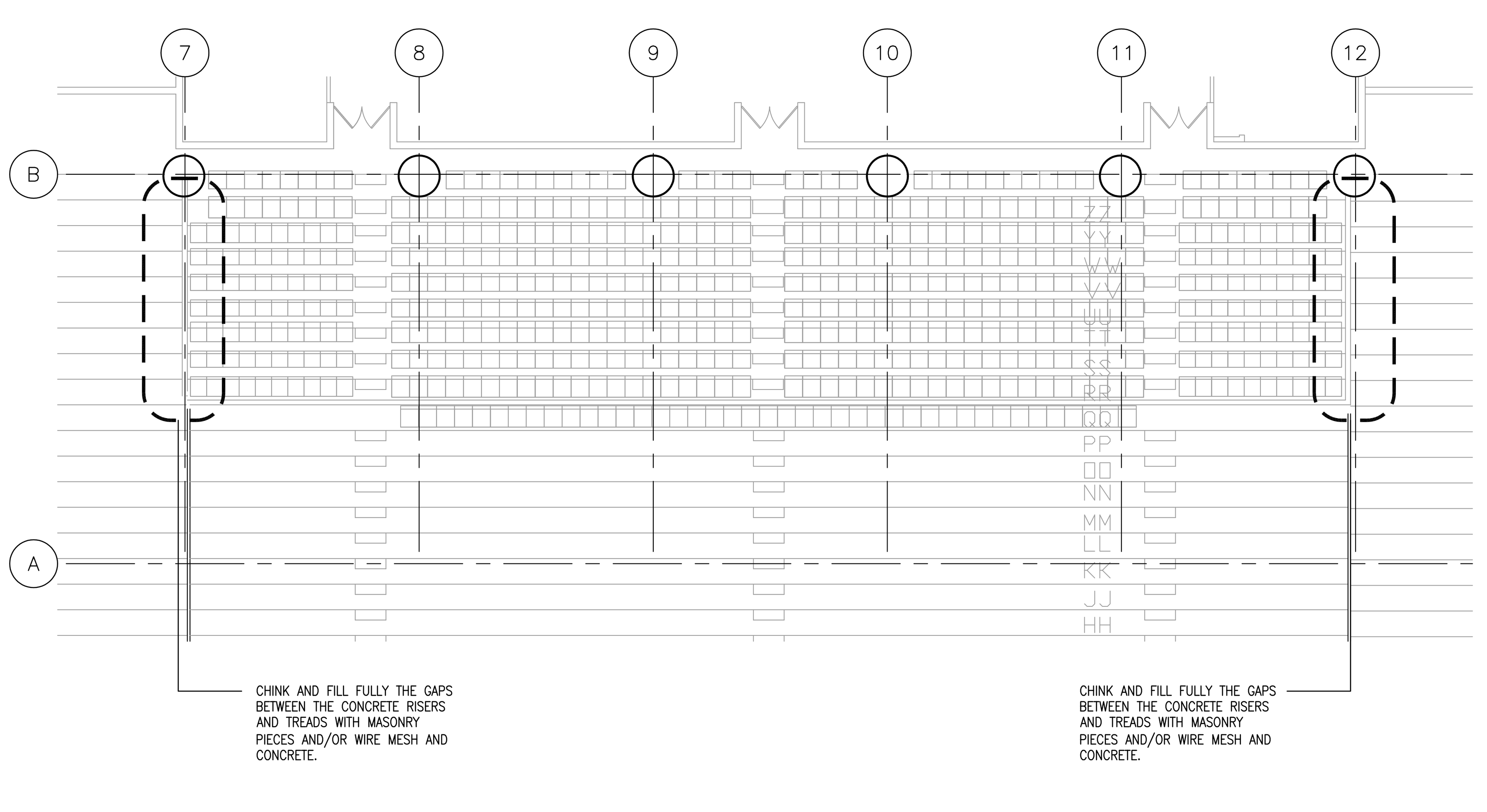


PHOTO: EXISTING CONDITION

PHOTO No. 1

CRACKS AND SPALLED CONCRETE AT THE CONCRETE EDGES – REFER TO KEY NOTE "5" THIS DRAWING. REPAIR DESCRIPTION AND DETAILS ON DWG A4-01

(1/A1-04) SEATING DECK PLAN
WEST AND NORTH STANDS
SCALE : 3/32" = 1'-0"



(2/A1-04) SEATING DECK PLAN
UPPER WEST STANDS
SCALE : 3/32" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR SHALL VISIT THE SITE AND CONFIRM THE EXISTING CONDITIONS AND HOW SUCH CONDITIONS AFFECT THE EXECUTION OF THE WORK. ALL DAMAGED CONCRETE WITHIN THE AREAS OF WORK SHOWN SHALL BE RESTORED UNDER THIS CONTRACT. CONTRACTOR SHALL NOTIFY ARCHITECT IF ANY DISCREPENCIES BETWEEN BID DOCUMENTS AND EXISTING CONDITIONS.
2. THIS DRAWING REPRESENTS DAMAGE TO THE CONCRETE SEATING DECK ON BOTH VERTICAL AND HORIZONTAL SURFACES.
3. GRAPHIC IDENTIFICATION OF DAMAGE IS PROVIDED TO ASSIST BIDDER/CONTRACTOR IN ASSESSING THE VARIETY OF CONDITIONS, LOCATIONS, AND DISBURSEMENT OF THE REPAIR AREAS. LOCATIONS ARE APPROXIMATE. SPECIFIC REPAIRS ARE QUANTIFIED ON THE UNIT PRICE SCHEDULE.
4. SIZE OF THE REPAIR AREAS VARY.
5. REFER TO SPECIFICATION FOR REPAIR DESCRIPTIONS.
6. REFER TO TYPICAL REPAIR DETAILS ON DRAWING A4-01 AND A4-02.
7. FOR PHASING DATES AND RESTRICTIONS SEE DRAWINGS T1-01, T1-02 AND T1-03.

SEQUENCE OF WORK:

THIS SEQUENCE OF WORK IS INDICATED TO ASSIST THE CONTRACTOR IN DETERMINING A WORK PLAN. IT IS NOT INTENDED TO BE A FULL SCOPE OF WORK DESCRIPTION.

- REMOVE ALL SEATS AND STANCHIONS AS PER DETAIL 1A/A4-02. STORE AND PROTECT SEATS AND STANCHIONS AT LOCATION DETERMINED BY OWNER.
- REPLACE EXISTING TREADED ROD AT STANCHIONS AS PER DETAIL 1B/A4-02.
- CLEAN ALL HORIZONTAL AND VERTICAL SURFACE AREAS TO SOUND SUBSTRATE, AS PER SPECIFICATIONS.
- REMOVE EXISTING EXPANSION JOINT. INSTALL NEW EXPANSION JOINT AS PER DETAIL 13/A4-01.
- REPAIR ALL SPALLS AND CRACKS AS PER DETAILS ON SHEET A4-01.
- COAT ALL AREAS WITHIN THE AREA OF WORK AS PER SPECIFICATIONS.
- REPAINT NUMBERS ONTO VERTICAL SURFACE OF AISLE STEPS AS PER SHEET A7-02.
- REPAINT (STENCIL) ALL SEATING PLANKS (SEATING NUMBERS) COMPLETE AS PER SHEET A7-02.
- REINSTALL EXISTING SEATS AND STANCHIONS AS PER DETAIL 1B/A4-02.

LEGEND KEY NOTES: (INDICATES WORK SHOWN GRAPHICALLY ON DRAWINGS A1-03 AND A1-04)

(1)
- CAREFULLY REMOVE ALL ALUMINUM SEATING PLANKS AND SUPPORT STANCHIONS AS PER DETAIL 1A/A4-02. STORE FOR REINSTALLATION AFTER REPAIRS ARE COMPLETED.
- REPLACE EXISTING TREADED ROD AT STANCHIONS TYPICAL AT ALL SEATING BENCHES AS PER DETAIL 1B/A4-02
- REPAINT (STENCIL) ALL SEATING PLANKS (SEATING NUMBERS) COMPLETE AS PER DETAIL 6/A7-02 AND 8/A7-02
- AFTER CONCRETE REPAIRS ARE COMPLETED, REINSTALL EXISTING SEATS AND STANCHIONS.

(2) REMOVE AND MODIFY EXISTING EXPANSION JOINT MATERIAL. SEE DETAIL 13/A4-01

(3) EXTERIOR CONCRETE WALLS/PARAPETS TO BE CLEANED AND COATED ON ALL EXPOSED SIDES. PLUG/FILL ALL HOLES AT THE TOP OF THE PARAPET SOLID WITH LEAD.

(3A) EXTERIOR CONCRETE AND TERRA COTTA WALLS/PARAPETS TO BE CLEANED AND COATED ON ALL EXPOSED SIDES. PLUG/FILL ALL HOLES AT THE TOP OF THE PARAPET SOLID WITH NON-SHRINK/NON-METALLIC GROUT. FOR REPAIRS SEE DETAILS CP1 AND C-1/A4-01.

(4)
- ALL CONCRETE SEATING DECK SURFACES SHALL BE CLEANED, FREE AND CLEAR OF ALL EXISTING COATINGS DOWN TO SUBSTRATE. REFER TO SPECIFICATIONS.
- AFTER CONCRETE REPAIRS, COATINGS SHALL BE APPLIED AS INDICATED. REFER TO SPECIFICATION.

(5) KEYNOTE DESIGNATES SPALLED CONCRETE.
DAMAGE MAY BE ON HORIZONTAL OR VERTICAL SURFACES. REFER TO SPECIFICATION AND DETAIL DRAWINGS FOR REPAIR TYPES. REFER TO UNIT PRICE SCHEDULE FOR BID QUANTITIES.

(6) KEYNOTE DESIGNATES CRACKED CONCRETE.
DAMAGE MAY BE ON HORIZONTAL OF VERTICAL SURFACES. REFER TO SPECIFICATION AND DETAIL DRAWINGS FOR REPAIR TYPES. REFER TO UNIT PRICE SCHEDULE FOR BID QUANTITIES.

(7) SCRAPE AND PAINT EXISTING PIPE RAIL. ABATE WHERE NECESSARY. SEE SPECIFICATIONS FOR LEAD BASED PAINT REMOVAL WHERE INDICATED ON ENVIRONMENTAL DRAWINGS.

(8) SEE ENLARGED PLAN DETAIL 2/A1-03.
REMOVE EXISTING FORMED CONCRETE COPING ALONG ENTIRE LENGTH OF WALL. RESTORE EXISTING SURFACE TO RECEIVE NEW CONCRETE COPING AS PER DETAIL 13/A5-03.

(9) REPAINT THE ROW NUMBERS BACK ONTO THE CONCRETE VERTICAL RISER AT ALL AISLES. LETTERS SHOWN ON HORIZONTAL SURFACE FOR CLARITY (TYP. ALL SEATING DECK AISLES).
REFER TO DRAWING A7-01

(10) NEW HANDRAIL. SEE DRAWING A5-01

(11) DEMOLISH EXISTING TERRACOTTA PIER. REPLACE TO MATCH EXISITNG.

(12) RAKE OUT UNDER COPING AND CAULK.

(13) REMOVE EXISTING TREAD AND RISER. REPLACE TO MATCH EXISTING.

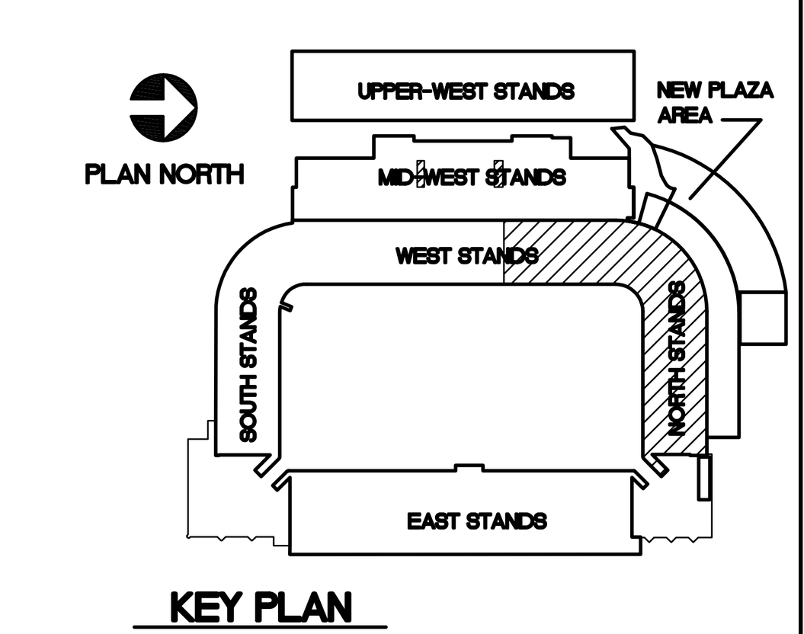
(14) REMOVE AND REPLACE COMPOSITE DECK. SEE DETAIL 6/A5-01

(15) PROVIDE CONTINUOUS COLD JOINT AT EITHER SIDE OF CONCRETE INFILL AT TOP OF AISLE. PROVIDE BACKER ROD AND SEALANT.

(16)
- WALLS: REMOVE ALL DAMAGED CONCRETE AND CEMENT PLASTER FINISH MATERIAL EACH SIDE OF WALL. REPAIR WALL AS PER TYPICAL RESTORATION DETAILS AND SPECS.FORM TO MATCH ORIGINAL PROFILES.
- COPING: REMOVE EXISTING DAMAGED COPING AND PIPE RAIL INSERTS. NEW COPING TO MATCH EXISTING AND CAST IN NEW RAIL SLEEVES SIM TO 14/A5-01 AND INSTALL NEW RAIL TO MATCH EXIST.

GRAPHICS LEGEND:

- E.J. — EXPANSION JOINT. SEE KEYNOTE 2.
- CRACKED CONCRETE. SEE KEYNOTE 6.
- SPALL AT EDGE OF RISER. SEE KEYNOTE 5
- SPALLED CONCRETE. SEE KEYNOTE 5. (MAY BE VERTICAL OR HORIZONTAL)
- EXISTING PIPE RAIL. SEE KEYNOTE 7.
- DETAIL OR KEYNOTE REFERENCE
- (ST.101) DOOR ID



KEY PLAN
N.T.S.

STATE OF NEW YORK
029383

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.

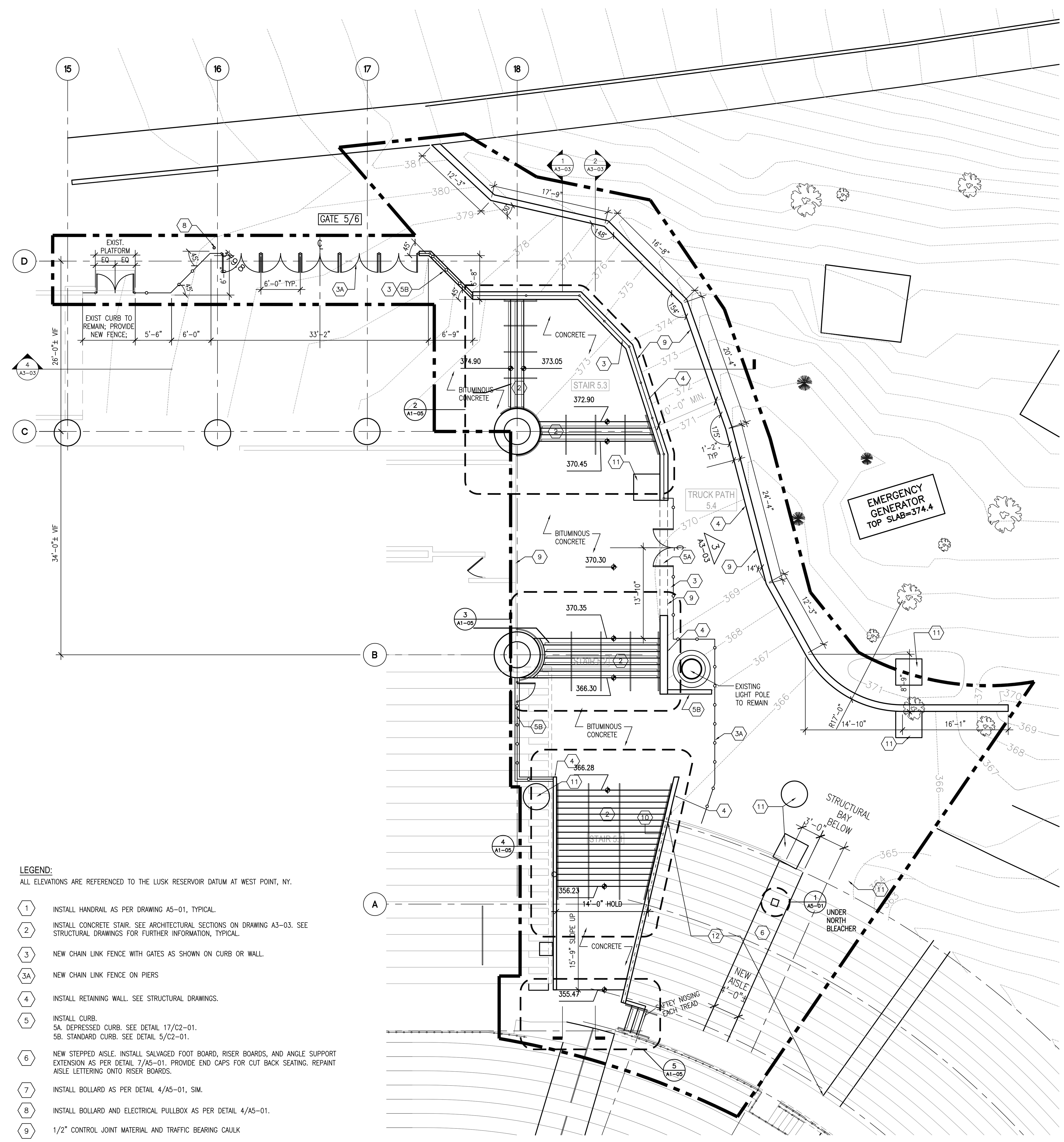
Plotted by: | Drawn by: SK; GA; | Checked by: TS; | Scale: AS NOTED | Feature table: | Pen Table: | Color table: | Design file: 10981954.00000 | Serial No.: | Project ID.: | File No.: 7687-16473 | Size: 30x42 | Date: 06.28.05 | Supervised by: | Designed by: SK; | Checked by: TS;

URS
SAN FRANCISCO
WAYNE
PARAMUS
NYC
BUFFALO

PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD
WEST POINT, NEW YORK

PLAN • SEATING DECK
PART WEST AND NORTH STANDS

DRAWING
A1-04



LEGEND:

ALL ELEVATIONS ARE REFERENCED TO THE LUSK RESERVOIR DATUM AT WEST POINT, NY.

1. INSTALL HANDRAIL AS PER DRAWING A5-01, TYPICAL.
2. INSTALL CONCRETE STAIR. SEE ARCHITECTURAL SECTIONS ON DRAWING A3-03. SEE STRUCTURAL DRAWINGS FOR FURTHER INFORMATION, TYPICAL.
3. NEW CHAIN LINK FENCE WITH GATES AS SHOWN ON CURB OR WALL.

3A. NEW CHAIN LINK FENCE ON PIERS

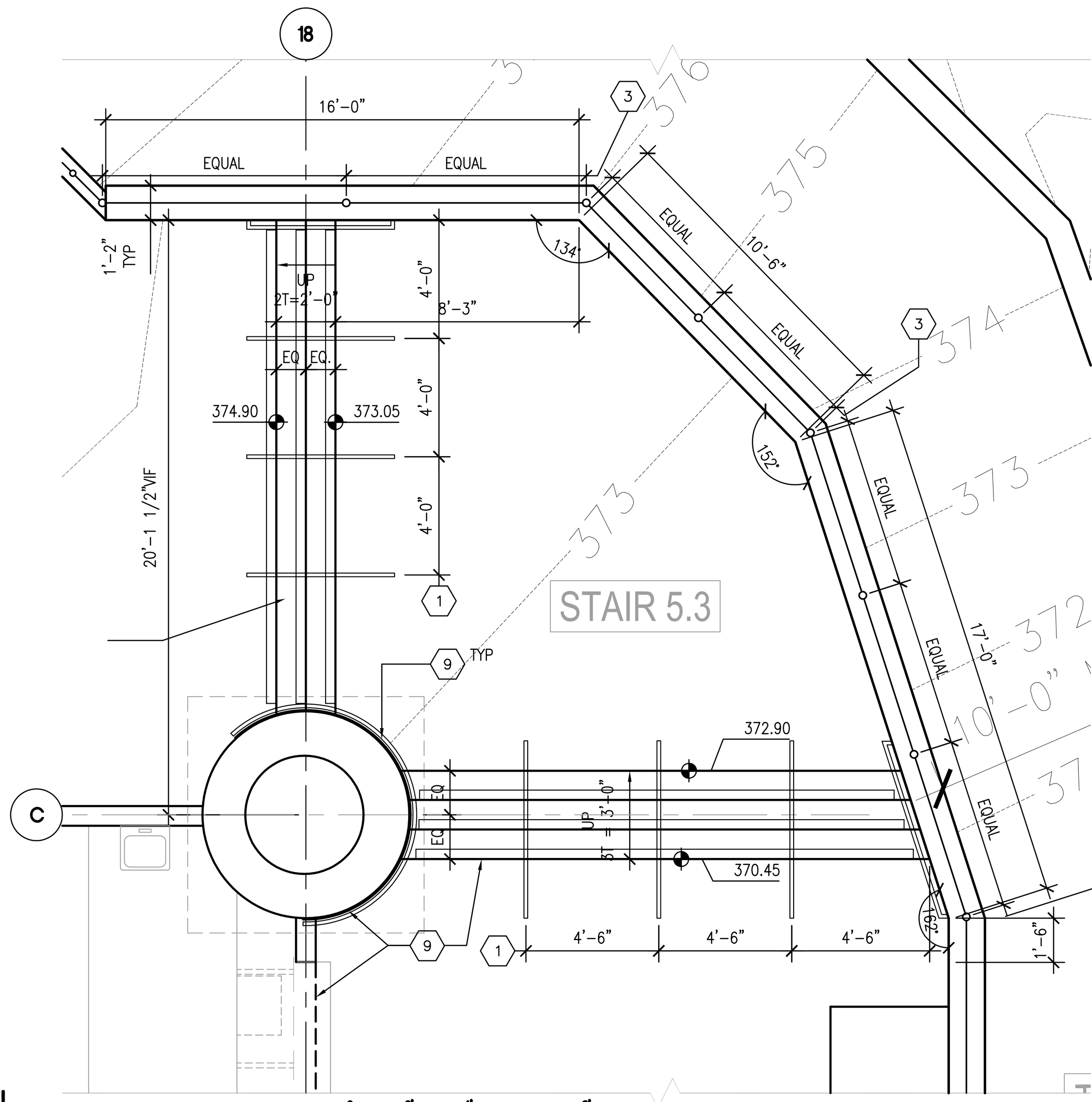
4. INSTALL RETAINING WALL. SEE STRUCTURAL DRAWINGS.
5. INSTALL CURB.
   5A. DEPRESSED CURB. SEE DETAIL 17/C2-01.
   5B. STANDARD CURB. SEE DETAIL 5/C2-01.
6. NEW STEPPED AISLE. INSTALL SALVAGED FOOT BOARD, RISER BOARDS, AND ANGLE SUPPORT EXTENSION AS PER DETAIL 7/A5-01. PROVIDE END CAPS FOR CUT BACK SEATING. REPAINT AISLE LETTERING ONTO RISER BOARDS.
7. INSTALL BOLLARD AS PER DETAIL 4/A5-01, SIM.
8. INSTALL BOLLARD AND ELECTRICAL PULLBOX AS PER DETAIL 4/A5-01.
9. 1/2" CONTROL JOINT MATERIAL AND TRAFFIC BEARING CAULK
10. NEW PERFORATED SCREEN AND SUPPORTS. SEE DWG A5-02.
11. NEW CATCHBASIN OR MANHOLE. FOR MORE INFORMANTION SEE CIVIL DRAWINGS.
12. REPAINT (STENCIL) ALL SEATING PLANKS (SEATING NUMBERS) COMPLETE AS PER DETAIL 6/A7-02 AND 8/A7-02. COORDINATE RENUMBERING WITH THE PROJECT OFFICER.

EXTENT OF WORK

NEW CHAIN LINK FENCE

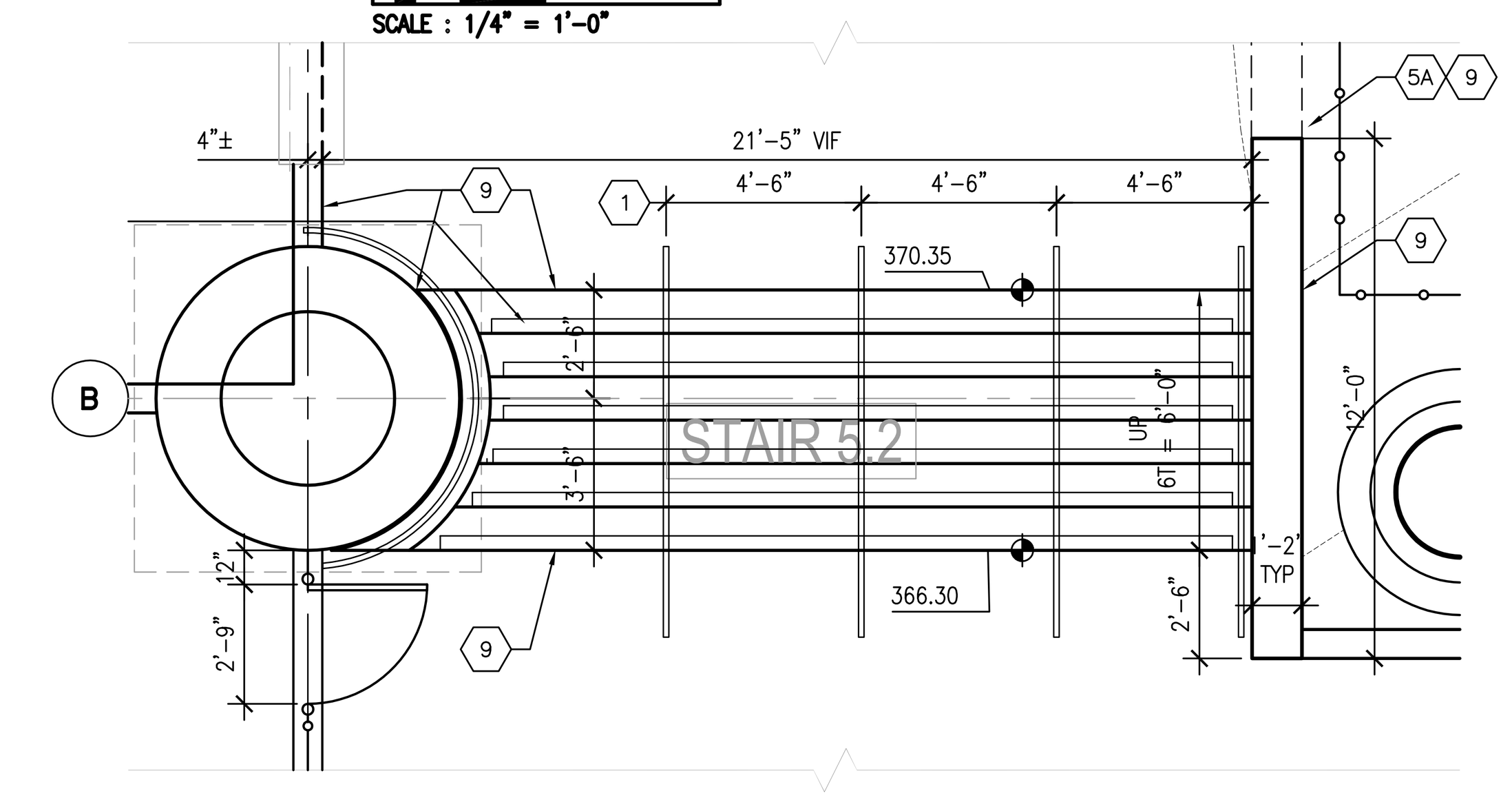
1/A1-05 STAIR TO GATE 5 PLAN

SCALE : 1/8" = 1'-0"



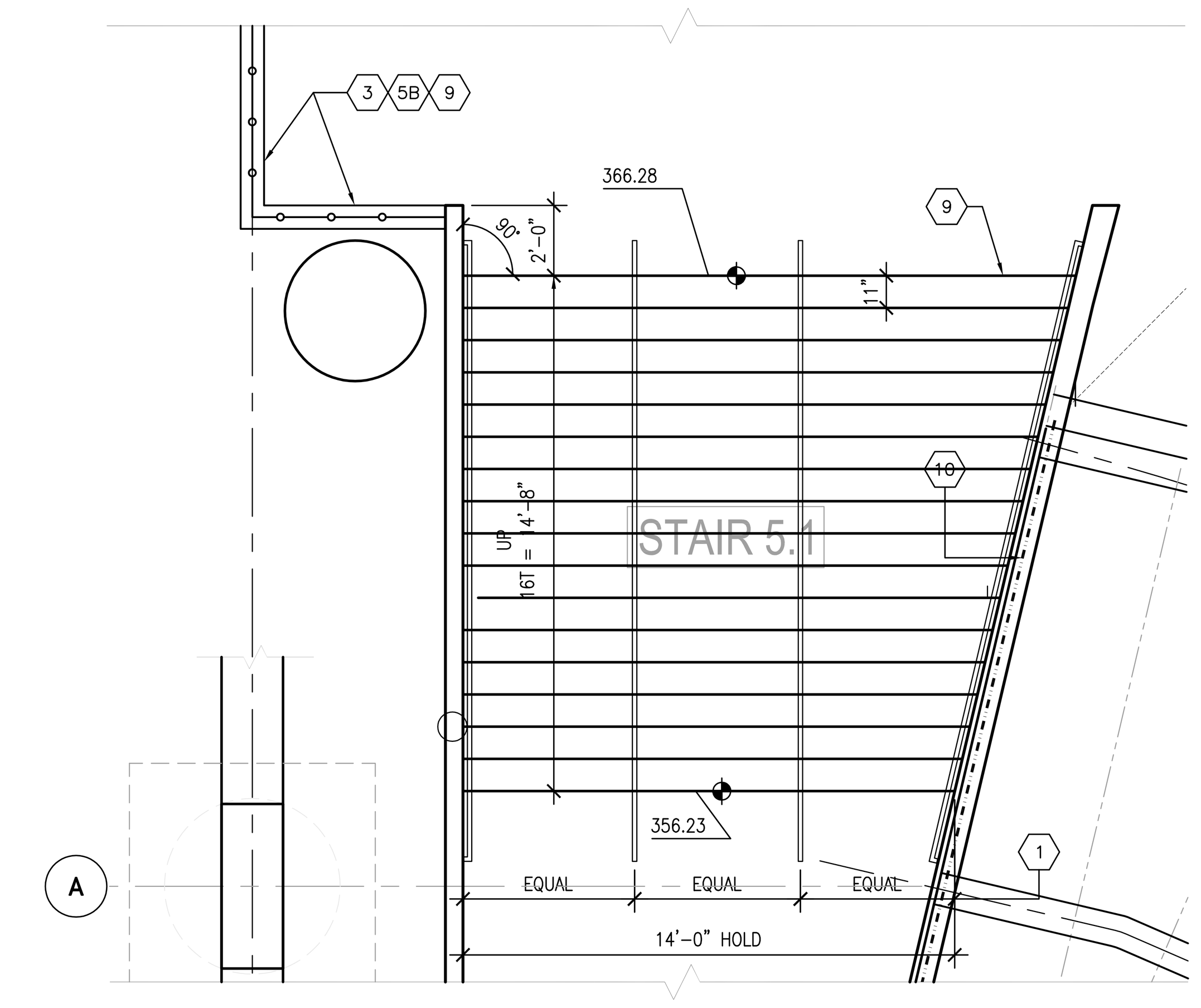
2/A1-05 PLAN DETAIL @ STAIR 5.3

SCALE : 1/4" = 1'-0"



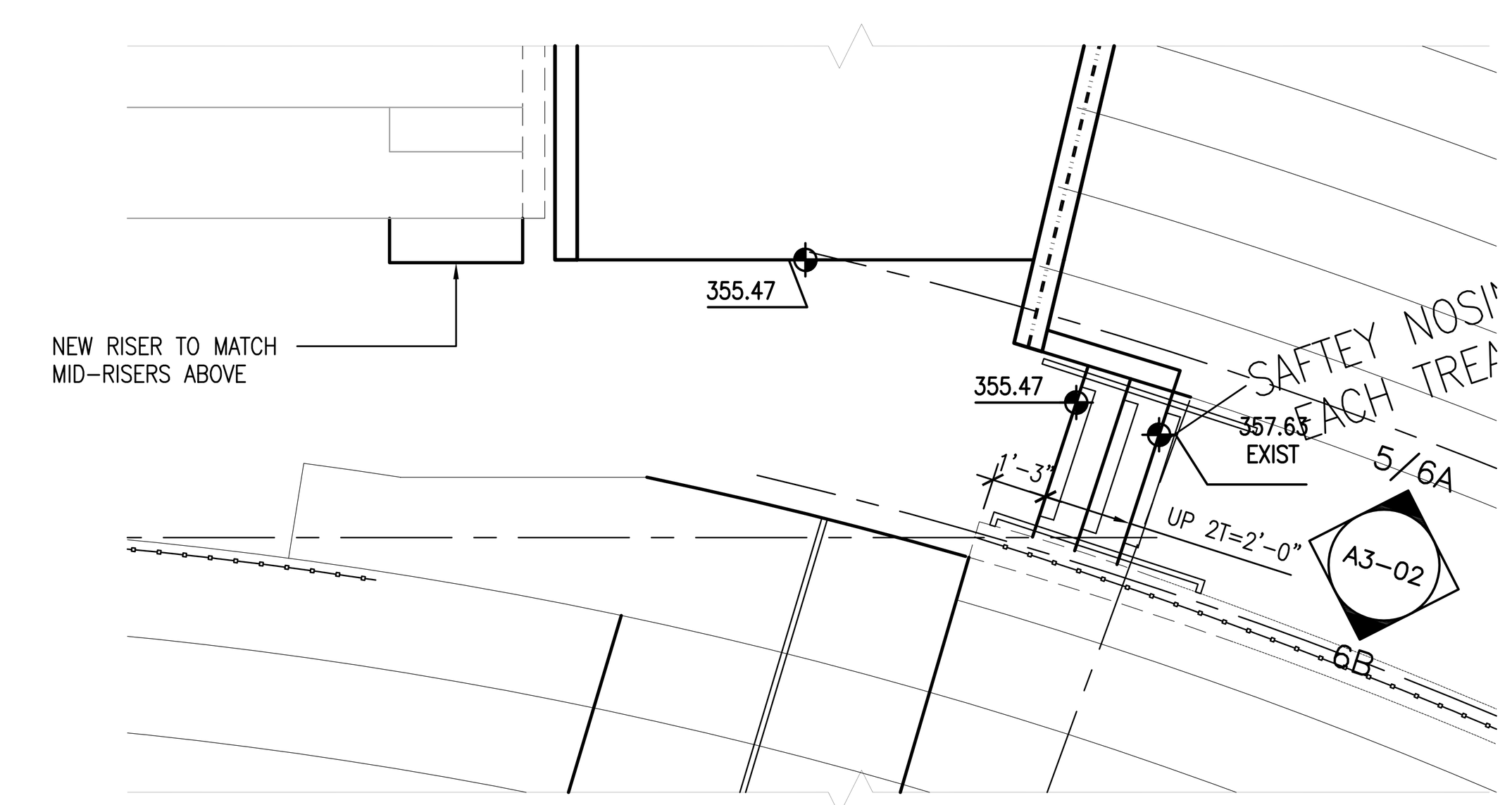
3/A1-05 PLAN DETAIL @ STAIR 5.2

SCALE : 1/4" = 1'-0"



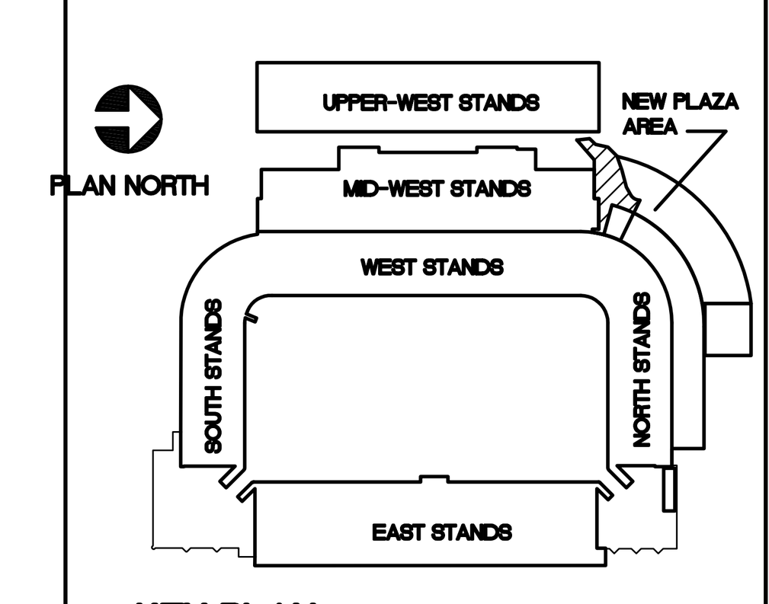
4/A1-05 PLAN DETAIL @ STAIR 5.1

SCALE : 1/4" = 1'-0"



5/A1-05 PLAN DETAIL

SCALE : 1/4" = 1'-0"



KEY PLAN
N.T.S.

STATE OF NEW YORK
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US Army Corps of Engineers
New York District

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Plotted by: | Scale: AS NOTED | Pen Table:
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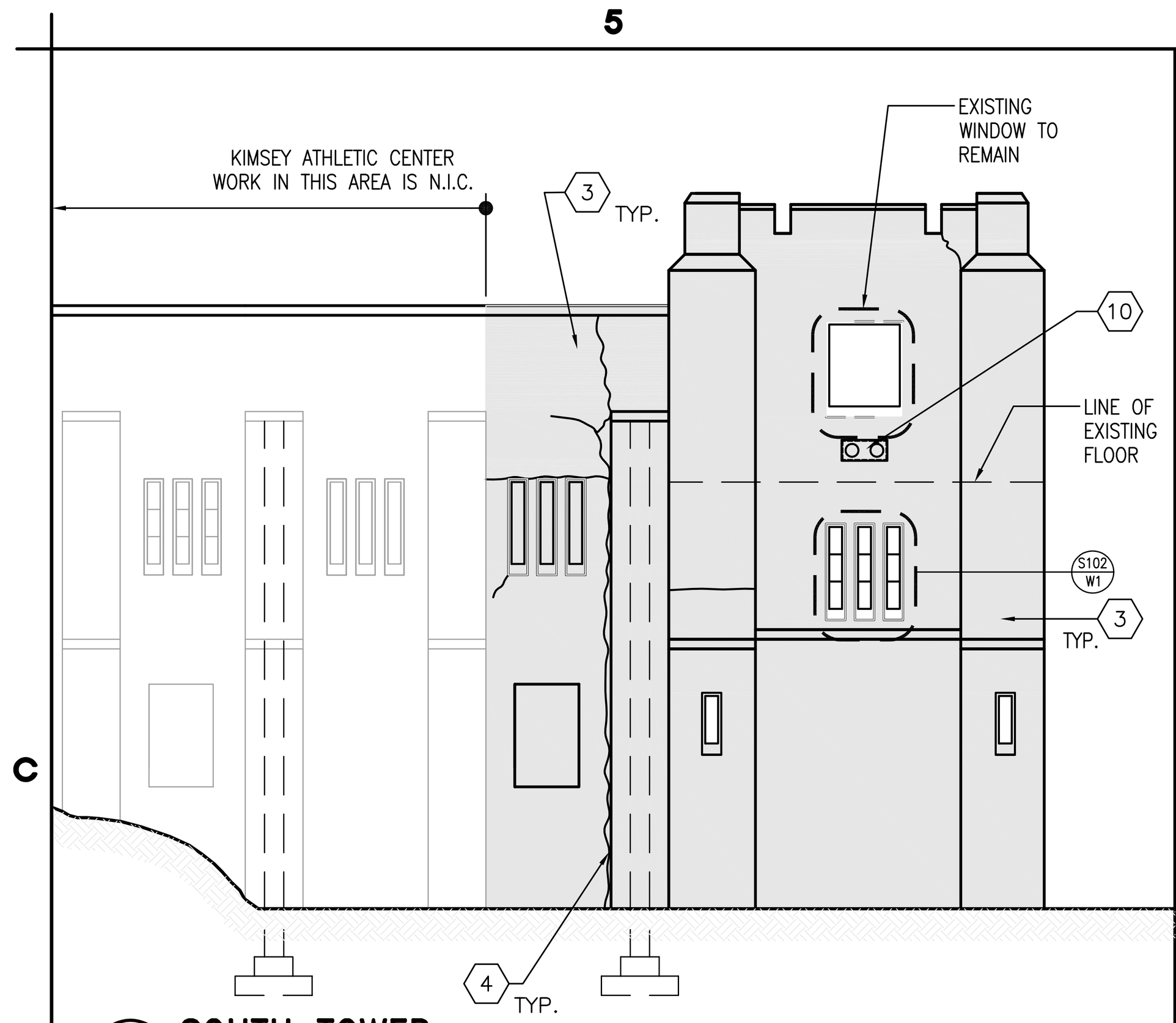
SAN FRANCISCO
WAYNE
PARAMUS
NYC
BUFFALO

URS

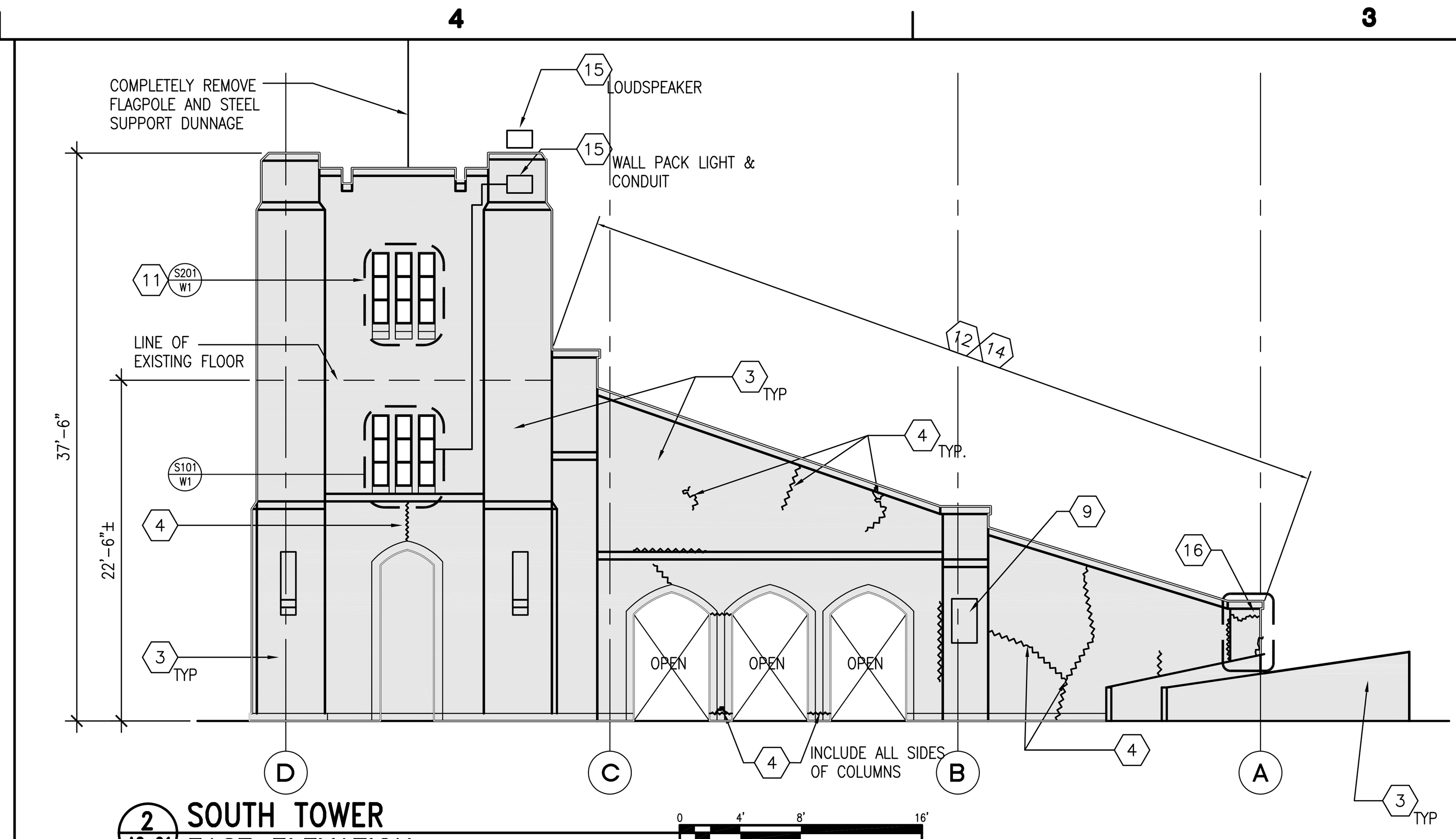
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA - STONY LONESOME ROAD WEST POINT, NEW YORK

PLAN:
PART NORTHWEST STANDS AND EGRESS PATH

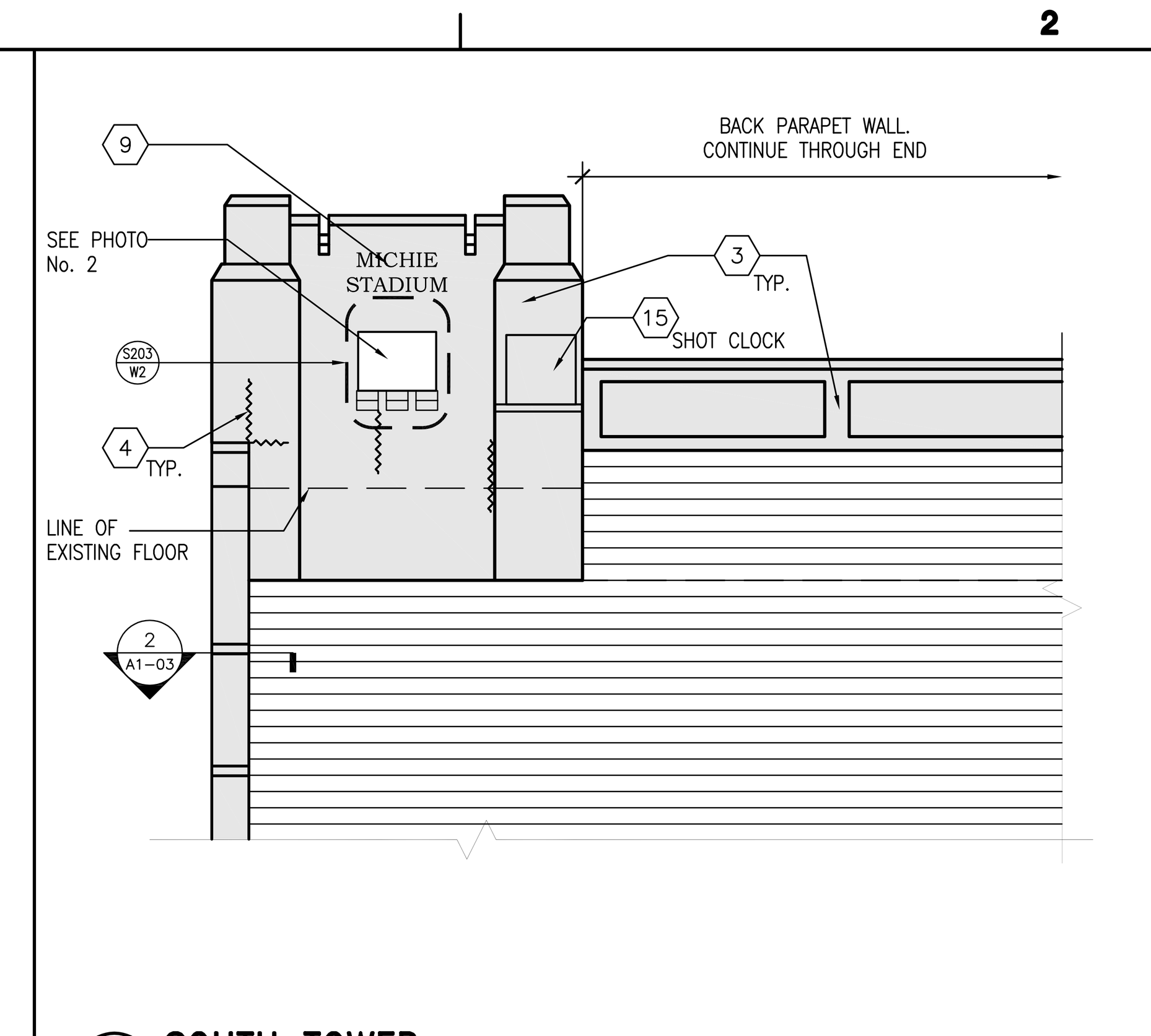
DRAWING
A1-05



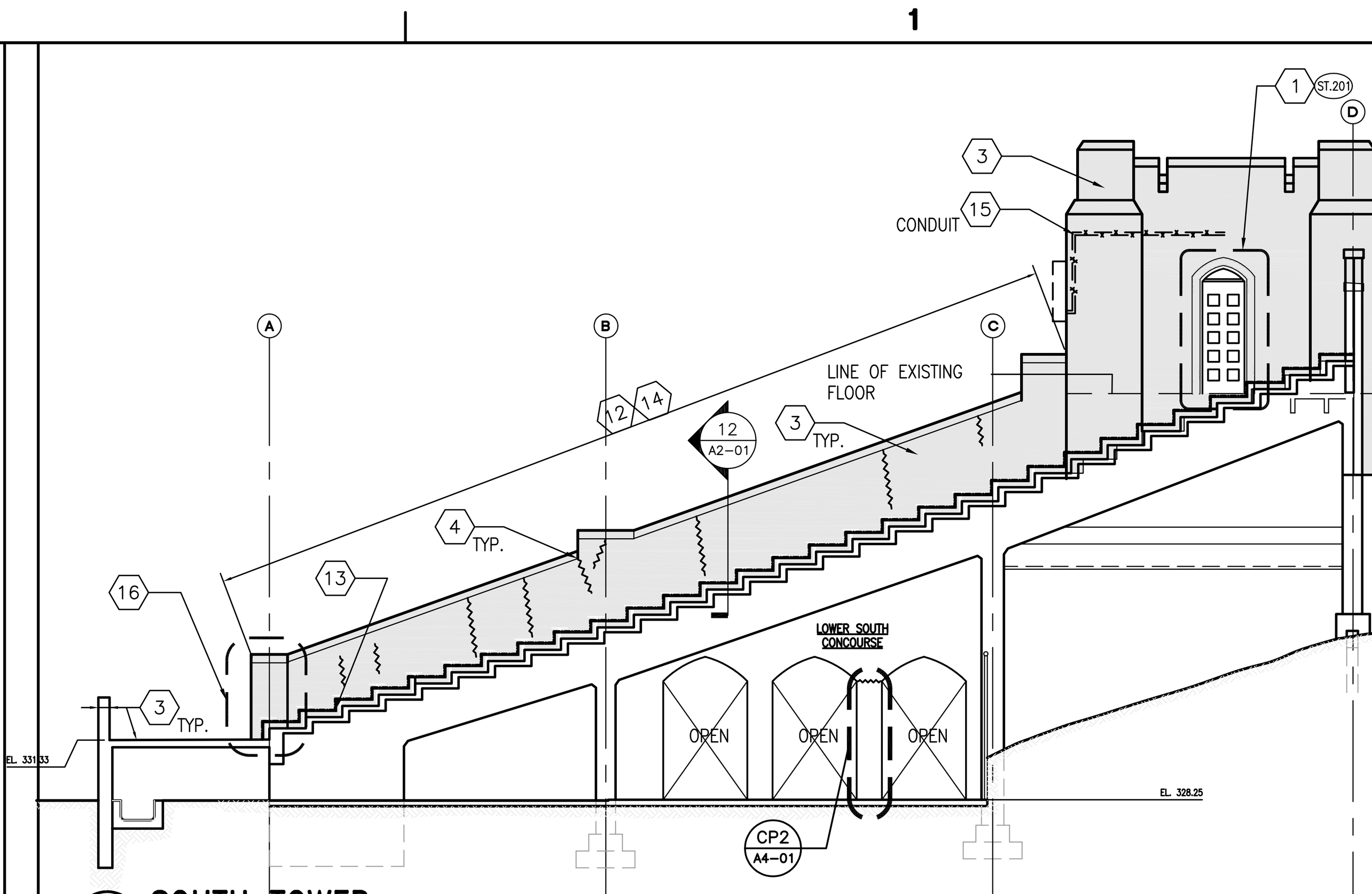
1/A2-01 SOUTH TOWER SOUTH ELEVATION
SCALE : 1/8" = 1'-0"



2/A2-01 SOUTH TOWER EAST ELEVATION
SCALE : 1/8" = 1'-0"



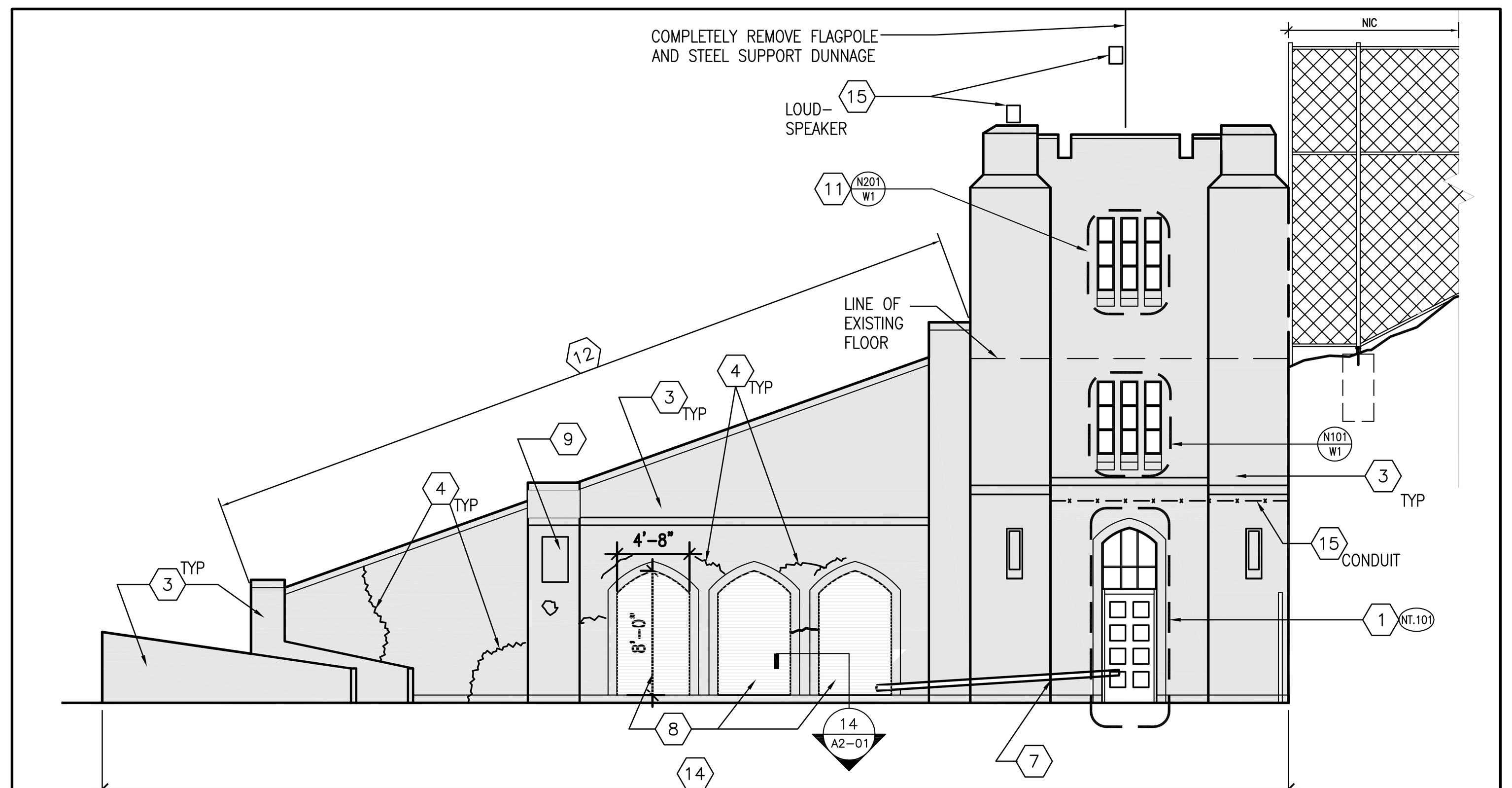
3/A2-01 SOUTH TOWER NORTH ELEVATION
SCALE : 1/8" = 1'-0"



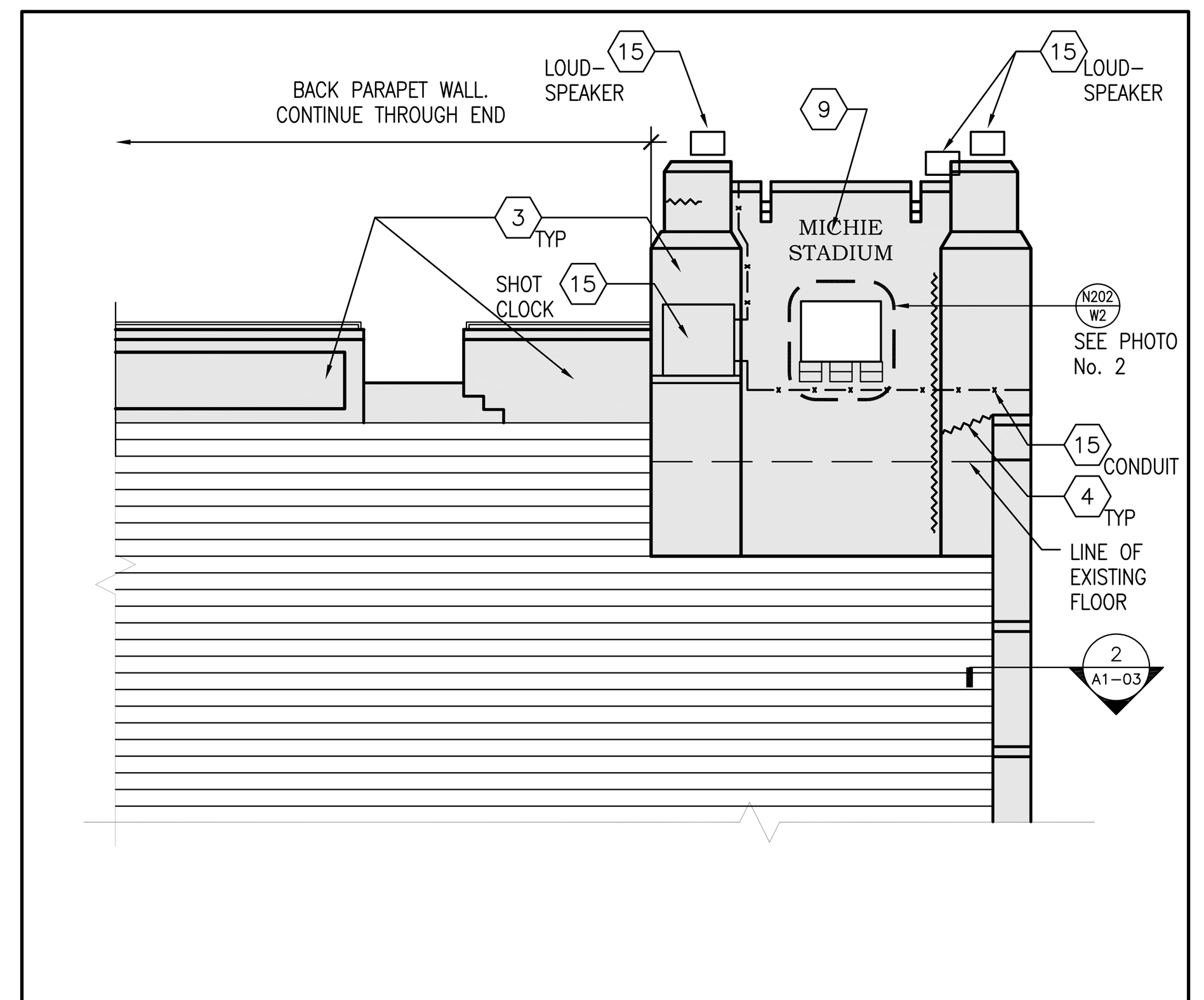
4/A2-01 SOUTH TOWER WEST ELEVATION
SCALE : 1/8" = 1'-0"

LEGEND KEY NOTES:

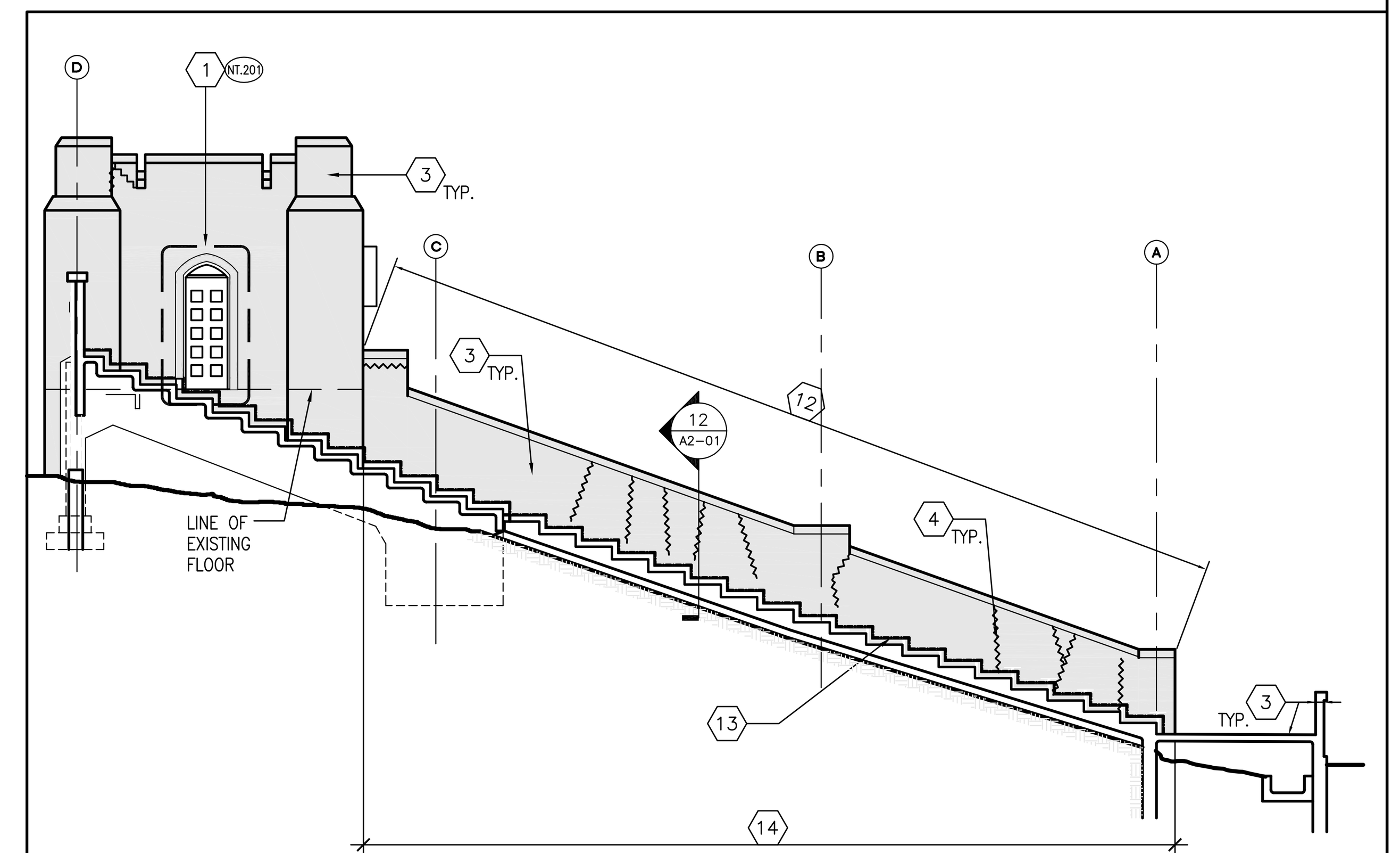
1. REMOVE AND REPLACE EXISTING DOOR, FRAME AND TRANSOM WITH A NEW WOOD DOOR, FRAME AND TRANSOM TO MATCH ORIGINAL PROFILE – REFER TO DOOR SCHEDULE ON DWG A6–01.
2. REMOVE AND REPLACE EXISTING STEEL CASEMENT WINDOWS – REFER TO WINDOW SCHEDULE. DRAWING A6–01.
3. CLEAN AND COAT FACADE. EXTENT OF COATING SHOWN SHADED. SEE PLANS FOR EXTENT OF WORK.
4. CRACKS ON PANEL, FOR REPAIR – REFER TO DRAWING A4–01.
5. BLOCK UP EXIST. MASONRY OPENING AS PER DETAIL 11/A5–03.
6. REMOVE EXISTING INFILLED CEMENT PLASTER FINISHED TERRA–COTTA BLOCK AS SHOWN HATCH. FOR DEMOLITION, REFER TO SECTION 3/A3–02.
7. REMOVED APPROXIMATELY 30 LINEAR FEET OF 2" PIPING TO ALLOW DOOR TO SWING OUTWARD.
8. REMOVE AND REPLACE EXISTING CORRUGATED METAL PANEL (TYP. OF 3) – REFER TO DETAIL 14/A2–01.
9. REMOVE ALL SIGNAGE ON THE BUILDING FACADE PRIOR TO COATING OF THE SURFACE. PATCH AND REPAIR ALL CRACKS AND SPALLS FOUND UNDER THE EXISTING SIGNS. REINSTALL EXISTING SIGNAGE ON FACADE AFTER COMPLETION OF COATING.
10. THROUGH WALL CONDUIT PENTRATION. SEE DETAIL 8/A5–03. VERIFY LOCATION WITH USACE AND ODIA.
11. INFILL MID–MULLIONS AS PER OTHER WINDOWS. SEE DETAIL 9/A5–03.
12. REMOVE EXISTING COPING FROM ENTIRE LENGTH OF WALL. REPLACE WITH PRECAST CONCRETE COPING. SEE ENLARGED PLAN DETAIL 2/A1–03.
13. RAKE OUT EXISTING MATERIAL AND PROVIDE BACKER ROD AND CONTINUOUS CAULK JOINT AT TOP OF CONCRETE CURB. SEE PHOTO 1. SEE DETAIL 12/A2–01.
14. REMOVE EXIST. CEMENTITIOUS COATING. TERRA COTTA AND CEMENT PLASTER SUBSTRATE TO REMAIN.
15. REMOVE ALL EXIST. ELECTRICAL ITEMS AND CONDUIT PRIOR TO RESTORATION OF FACADE. REINSTALL AS SPECIFIED. COORDINATE WITH ELECTRICAL DRAWINGS.
16. DEMOLISH EXISTING TERRA COTTA PIER. REPLACE TO MATCH EXISTING.



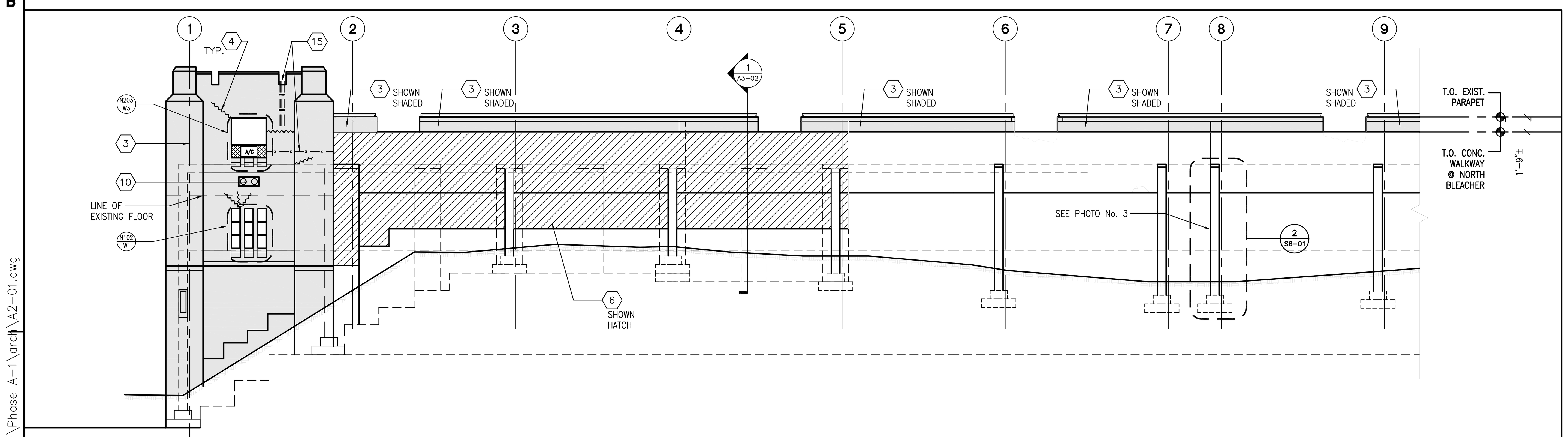
7/A2-01 NORTH TOWER EAST ELEVATION
SCALE : 1/8" = 1'-0"



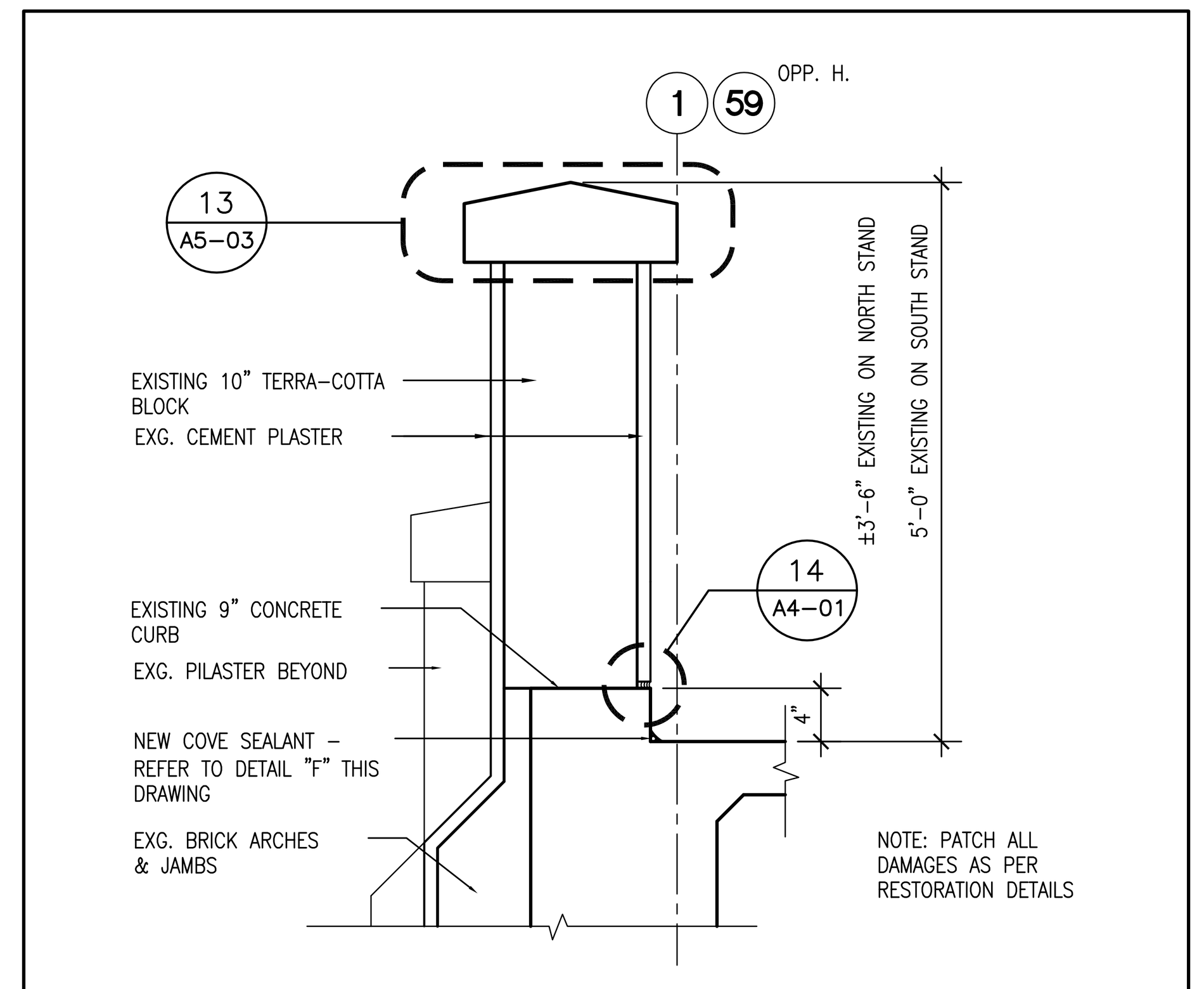
8/A2-01 NORTH TOWER SOUTH ELEVATION
SCALE : 1/8" = 1'-0"



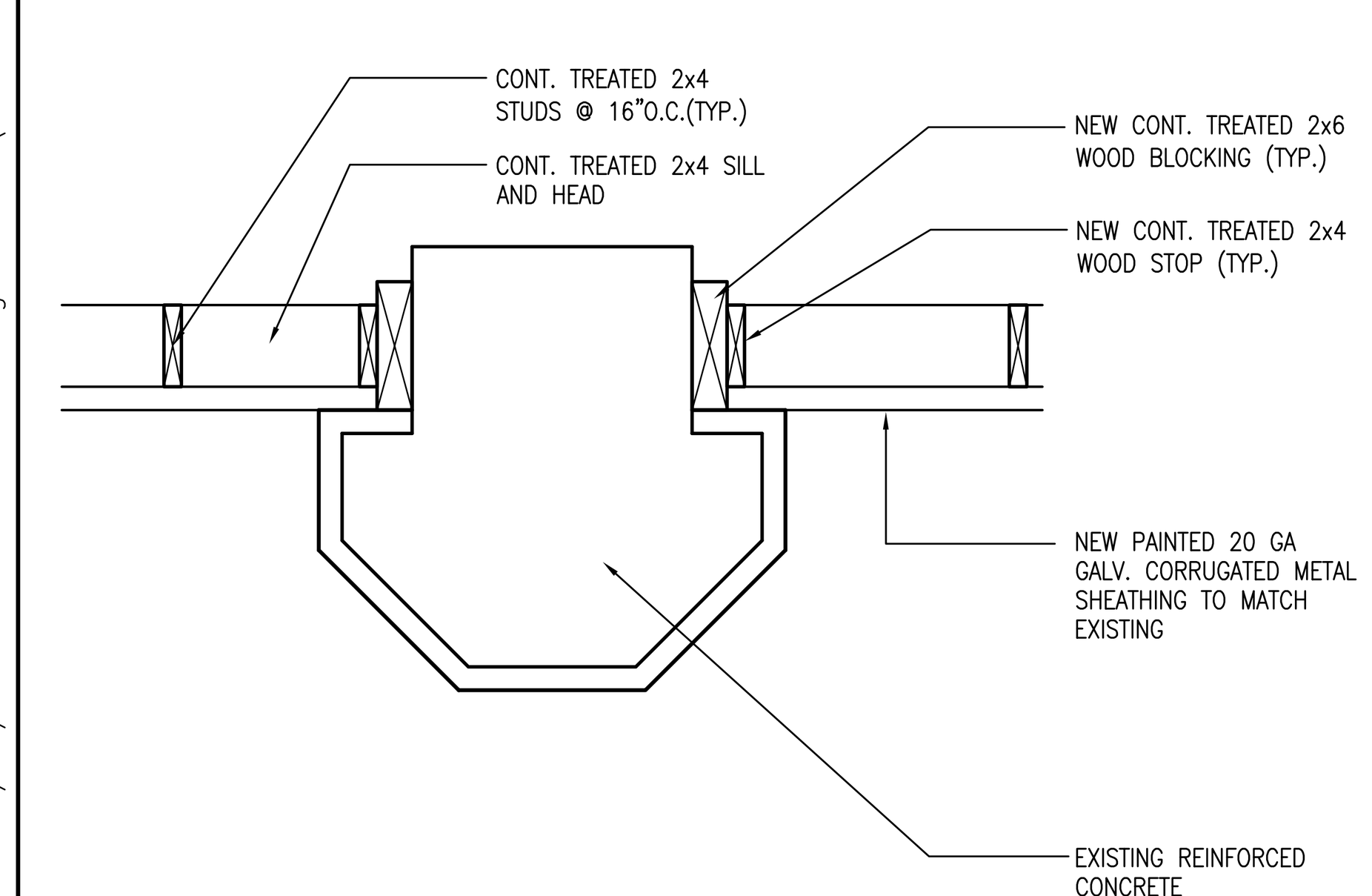
9/A2-01 NORTH TOWER WEST ELEVATION
SCALE : 1/8" = 1'-0"



11/A2-01 NORTH TOWER NORTH ELEVATION
SCALE : 1/8" = 1'-0"



12/A2-01 PARAPET DETAIL NORTH AND SOUTH STANDS
SCALE : 1" = 1'-0"



14/A2-01 PLAN DETAIL
SCALE : NTS

PHOTO: EXISTING CONDITION

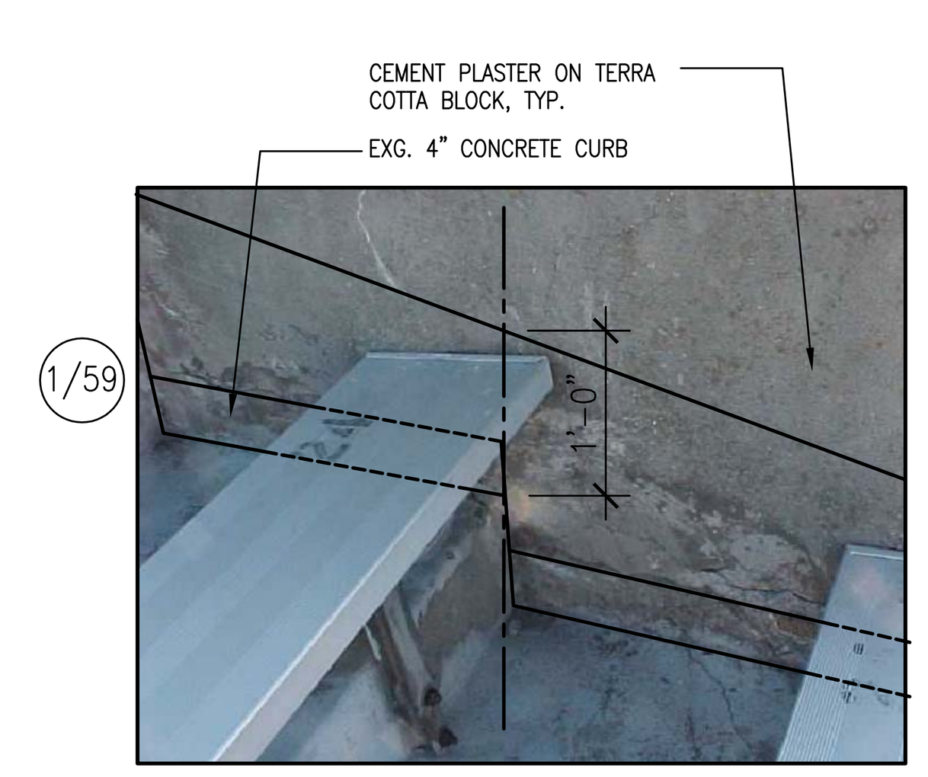


PHOTO No. 1
CRACKS AND SPALLED CONCRETE THE ENTIRE LENGTH OF INSIDE CORNER OF PARAPET – REFER TO DETAIL 12/A2–01 FOR REPAIR.

PHOTO No. 2

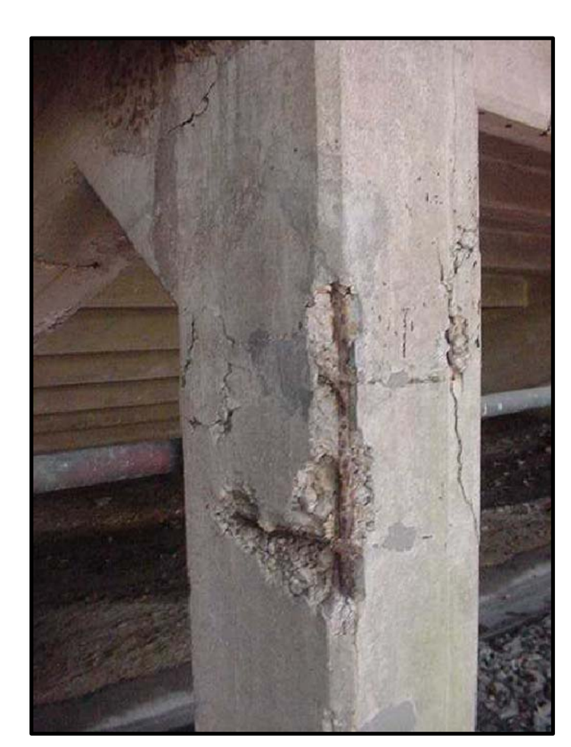
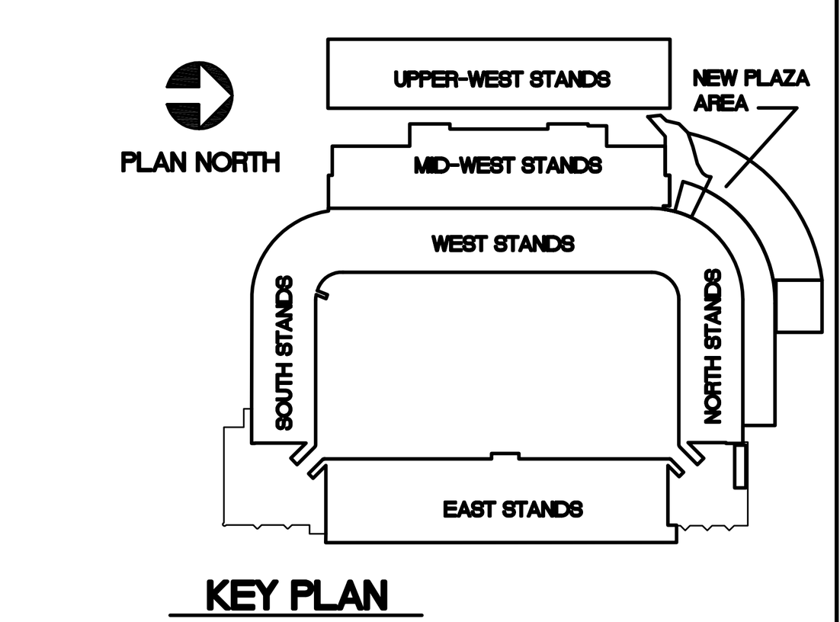


PHOTO No. 3

LEGEND
ST.101 DOOR ID
N201 W1 WINDOW ID / WINDOW TYPE
ALL SHADED AREAS: PATCH ALL LOOSE, DAMAGED OR UNSOUND CONCRETE AND CEMENT PLASTER PER RESTORATION DETAILS. COAT AS PER SPECIFICATIONS.



KEY PLAN
N.T.S.

STATE OF NEW YORK
029383

US Army Corps of Engineers
New York District

Symbol | Description | Date | Appr.

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Supervised by: | Designed by: SK; | Checked by: TS;

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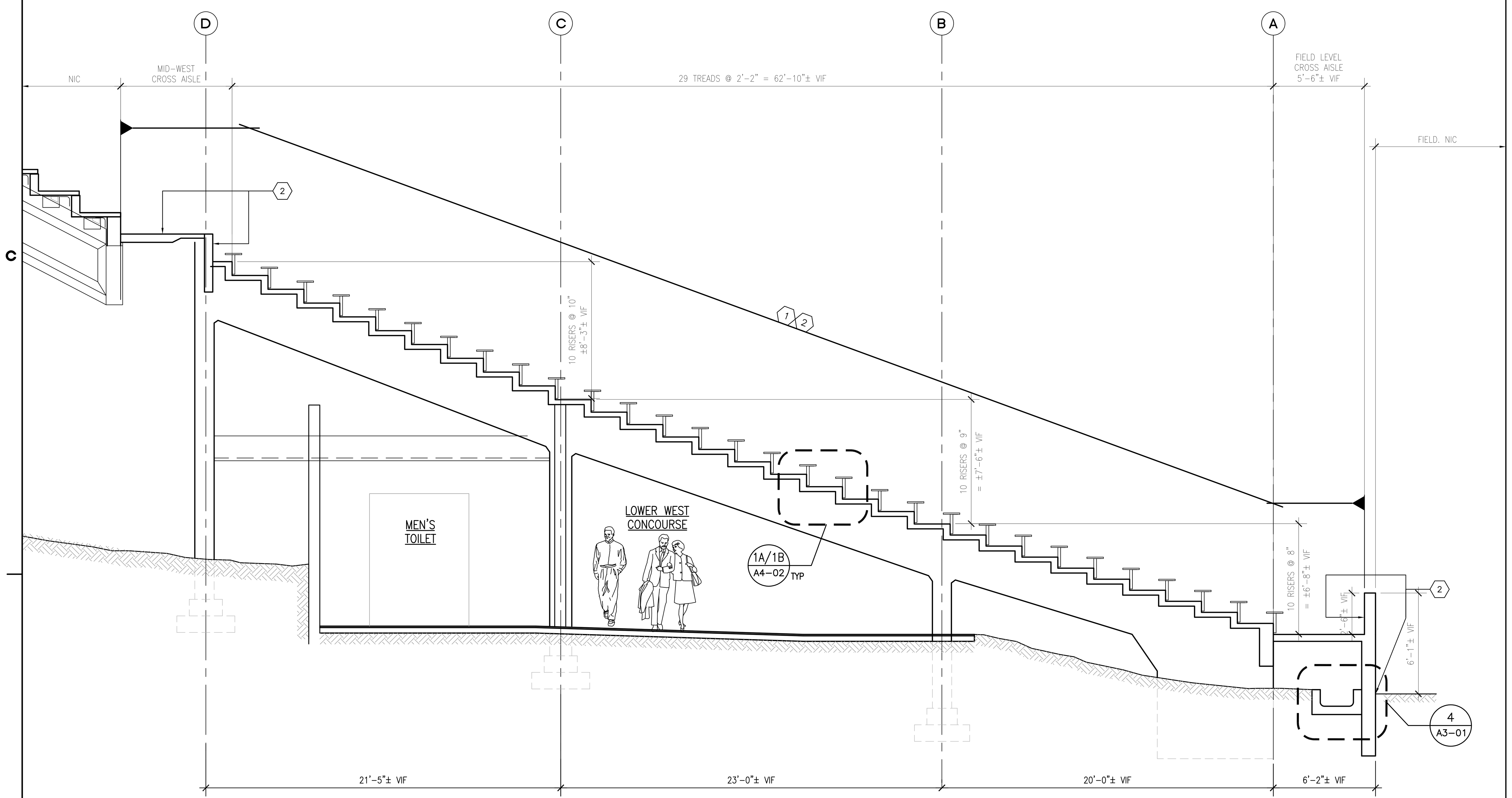
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK
ELEVATION:
NORTH AND SOUTH TOWERS AND PARTIAL FACADE

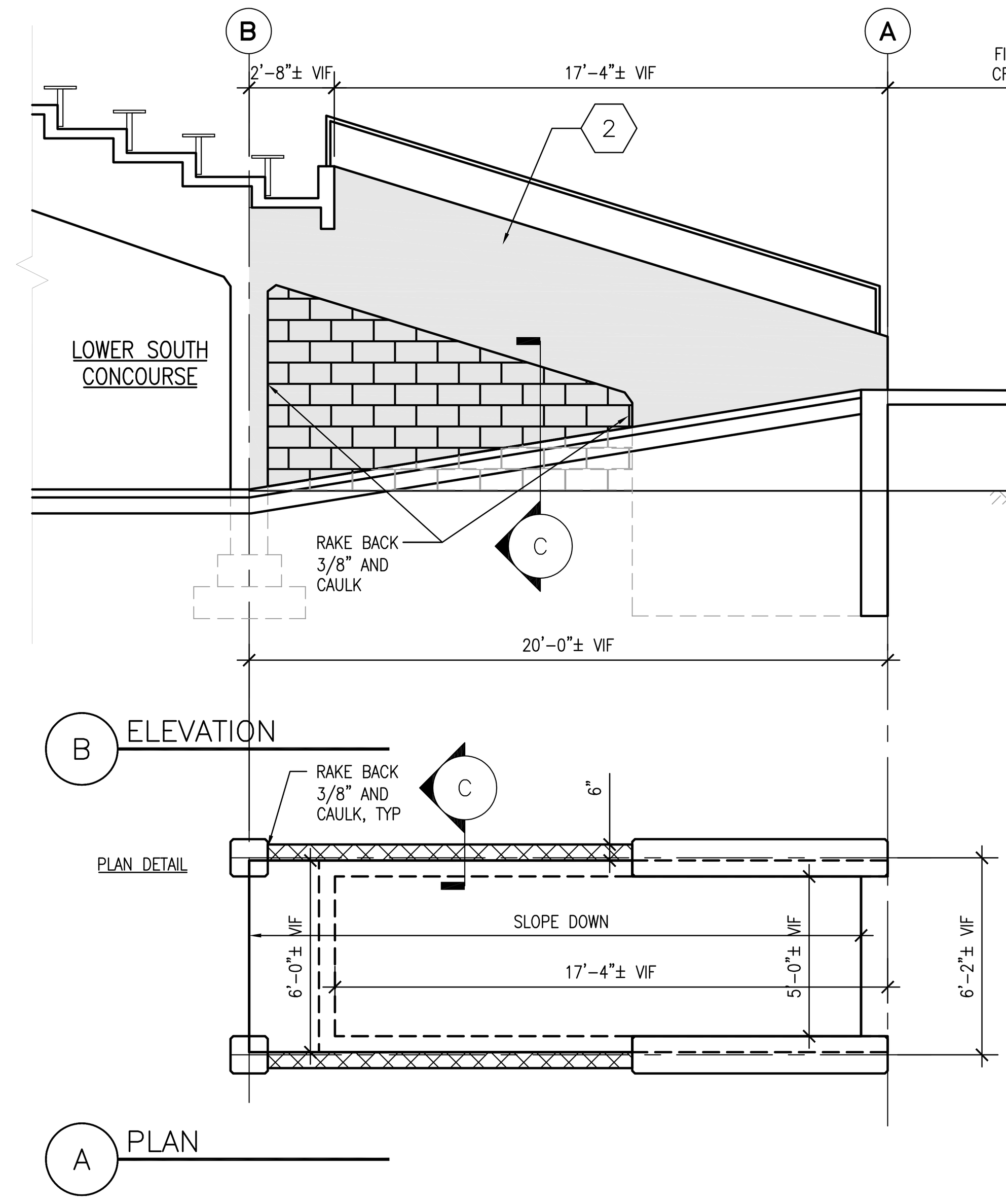
DRAWING
A2-01
16 OF 37

Time: 1:35 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\10981954.Michie Stadium\Phase A-1\arch\A2-01.dwg



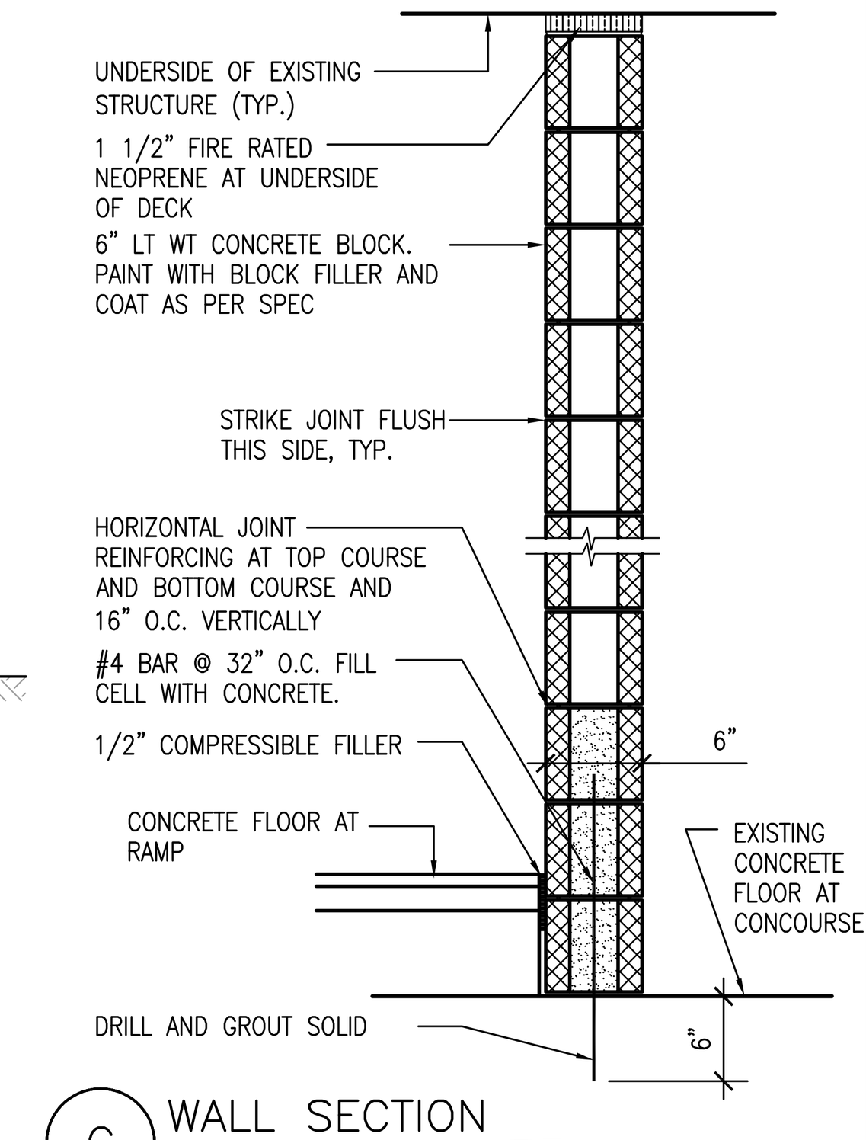
1 A3-01 BUILDING SECTION
WEST STANDS @ COLUMN 37

SCALE : 1/4" = 1'-0"



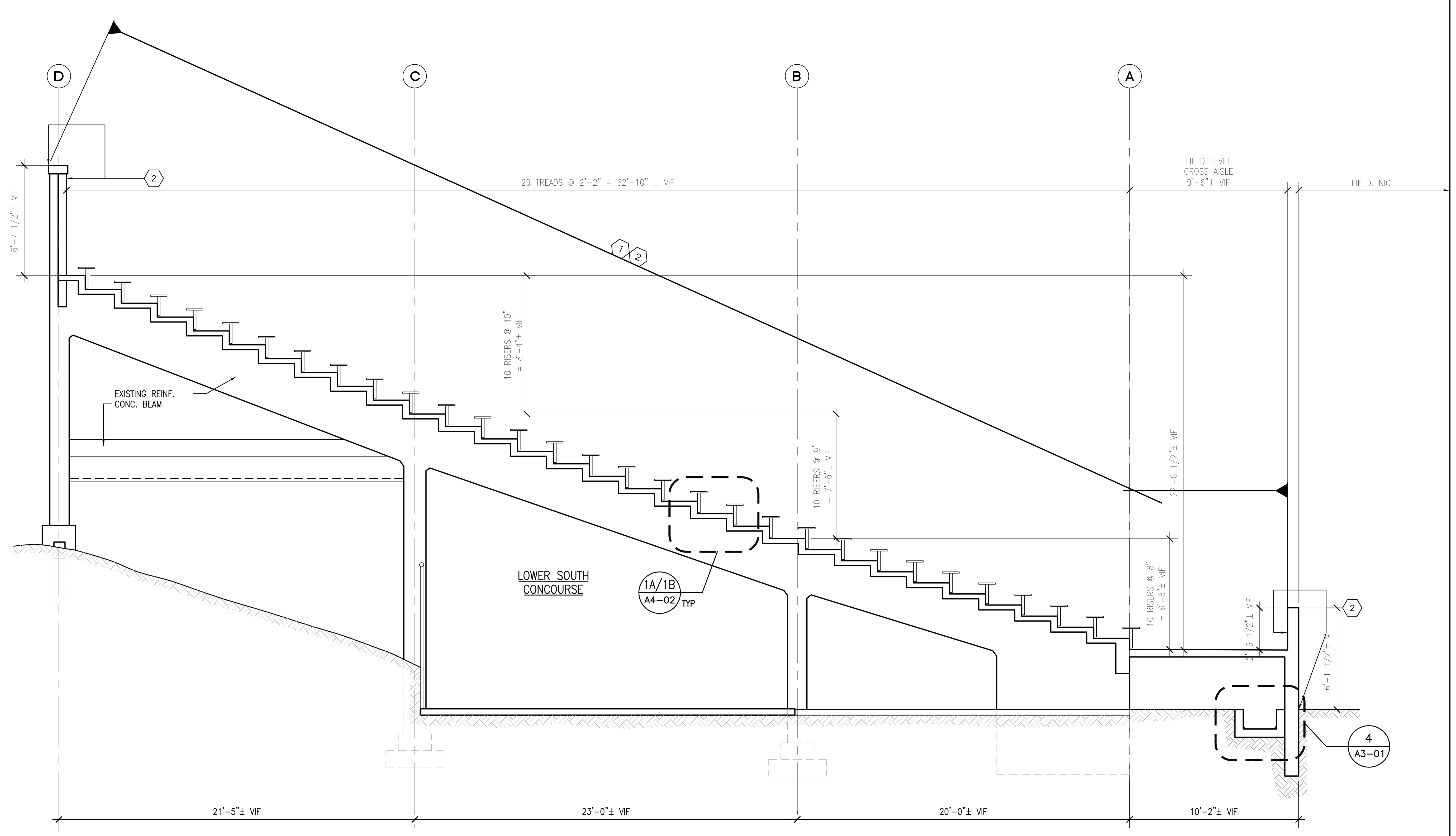
3 A3-01 SECTION THROUGH PORTALS
@ SOUTH STANDS

SCALE : 1/4" = 1'-0"



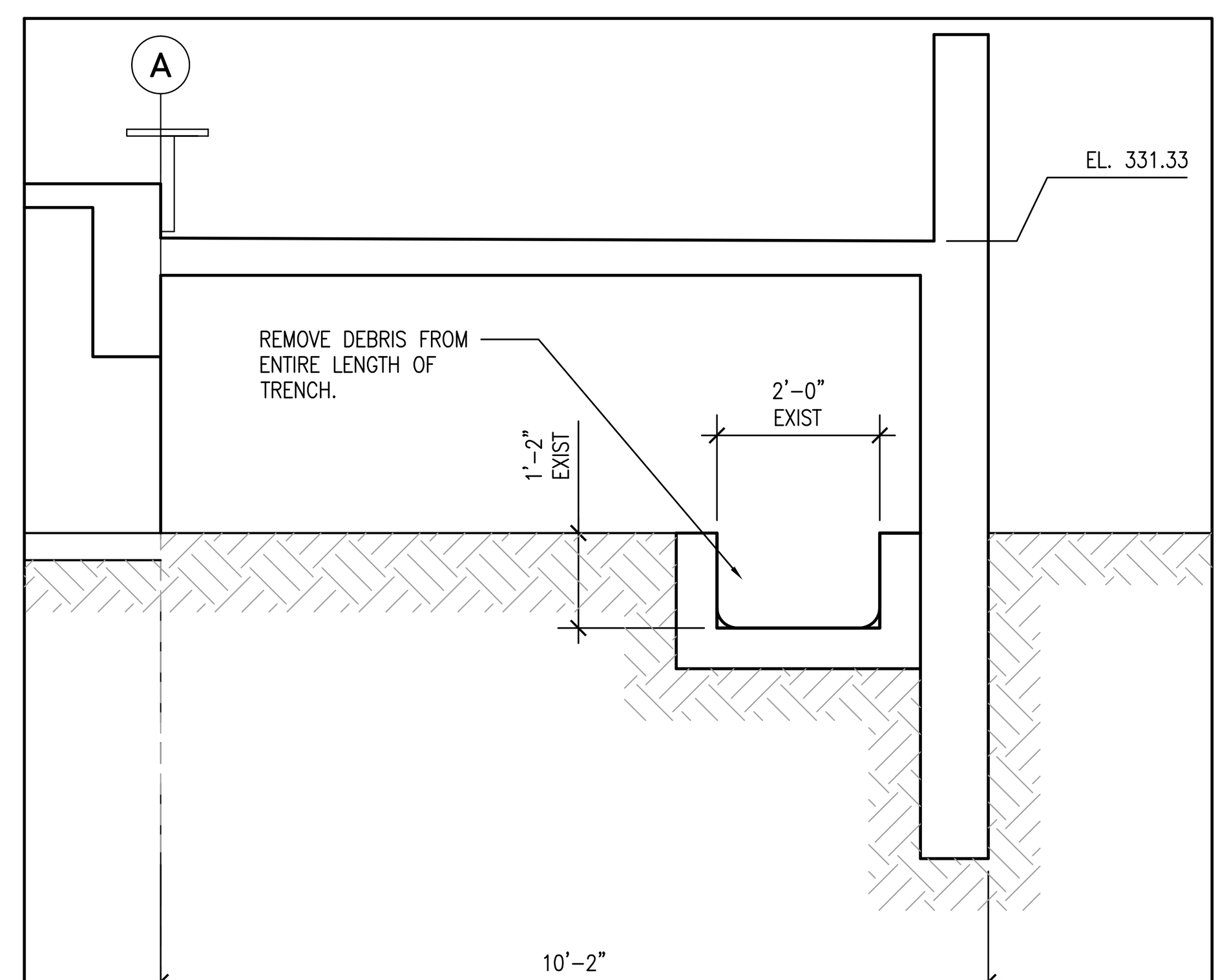
C WALL SECTION

NOTE: PROVIDE FIRE RATED CMU TO ACHIEVE 2 HR FIRE RATING



2 A3-01 BUILDING SECTION
SOUTH STANDS

SCALE : 1/4" = 1'-0"

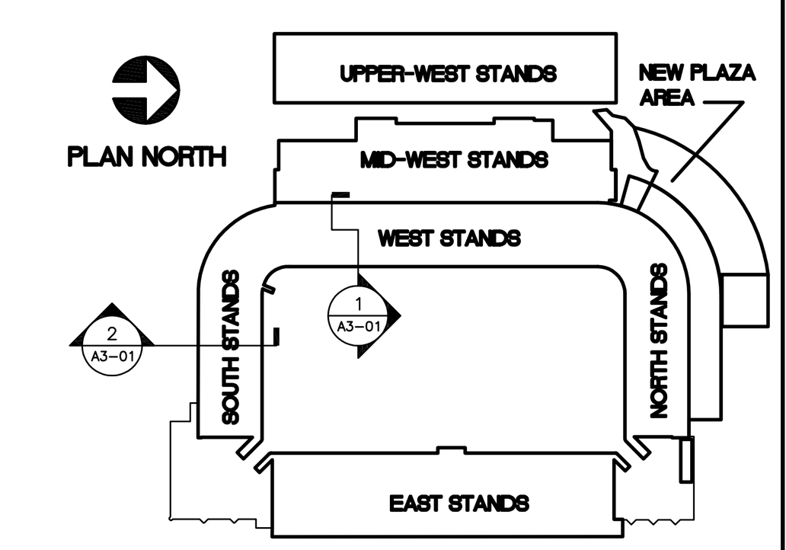


4 A3-01 DETAIL AT TRENCH

SCALE : 1/2" = 1'-0"

LEGEND KEY NOTES:

1. REMOVE AND REINSTALL BENCHES
2. COAT PARAPET, FIELD WALLS, RISERS, TREADS, AND AISLES. SEE SPECIFICATION FOR TYPES OF COATINGS.



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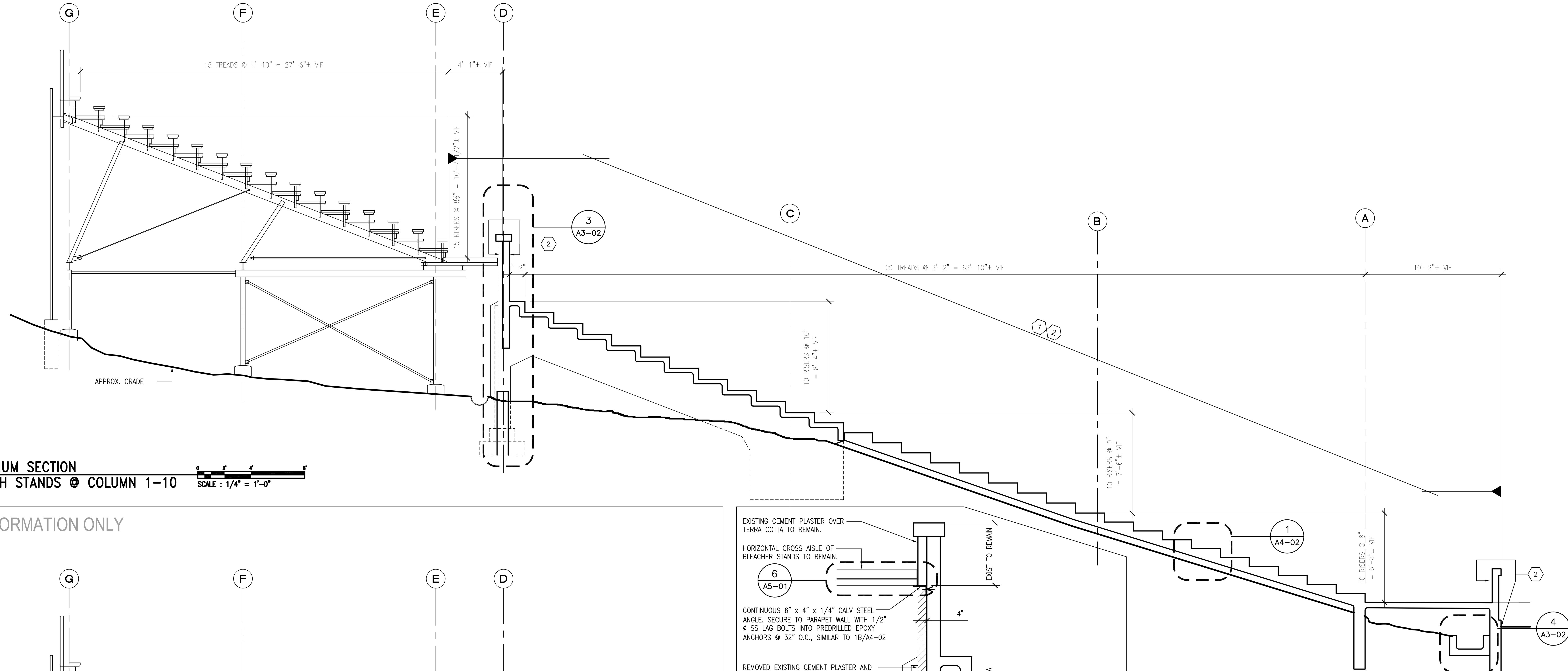
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD
WEST POINT, NEW YORK

STADIUM SECTIONS:
SOUTH STANDS; WEST STANDS;

DRAWING
A3-01
17 OF 37

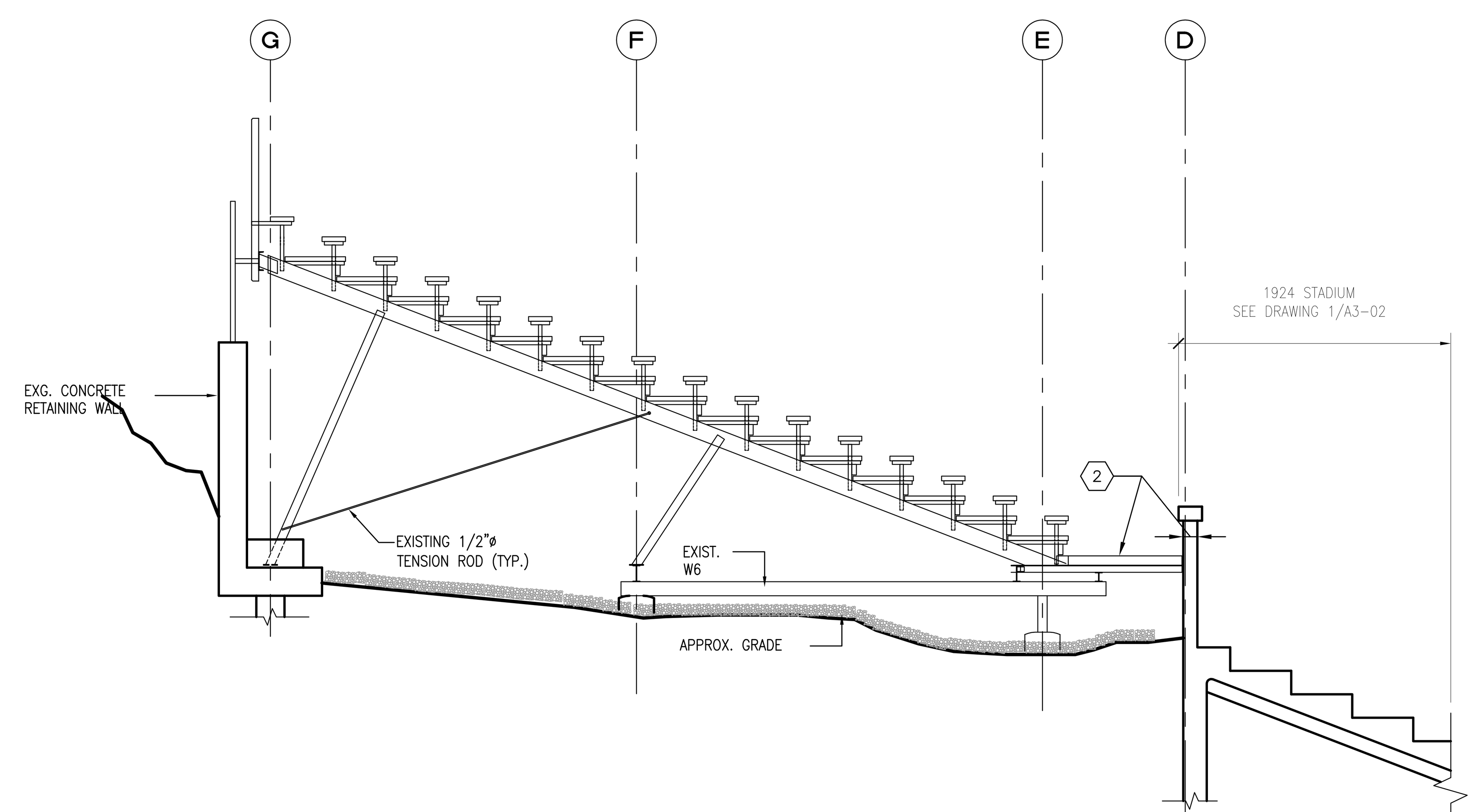
LEGEND KEY NOTES:

1. REMOVE AND REINSTALL BENCHES
2. COAT PARAPET, FIELD WALLS, RISERS, TREADS, AND AISLES. SEE SPECIFICATION FOR TYPES OF COATINGS.

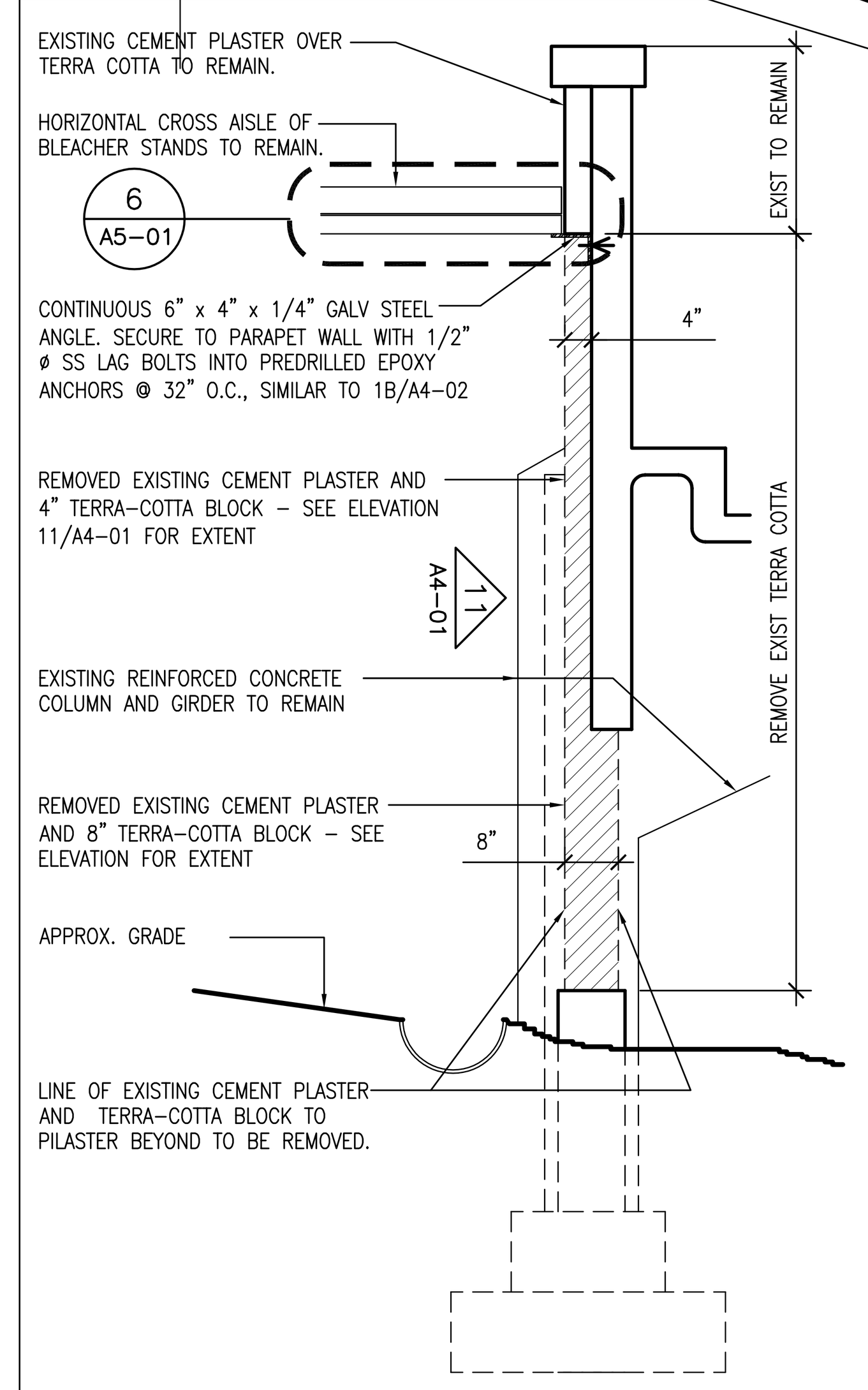


1 (A3-02) STADIUM SECTION
NORTH STANDS @ COLUMN 1-10
SCALE : 1/4" = 1'-0"

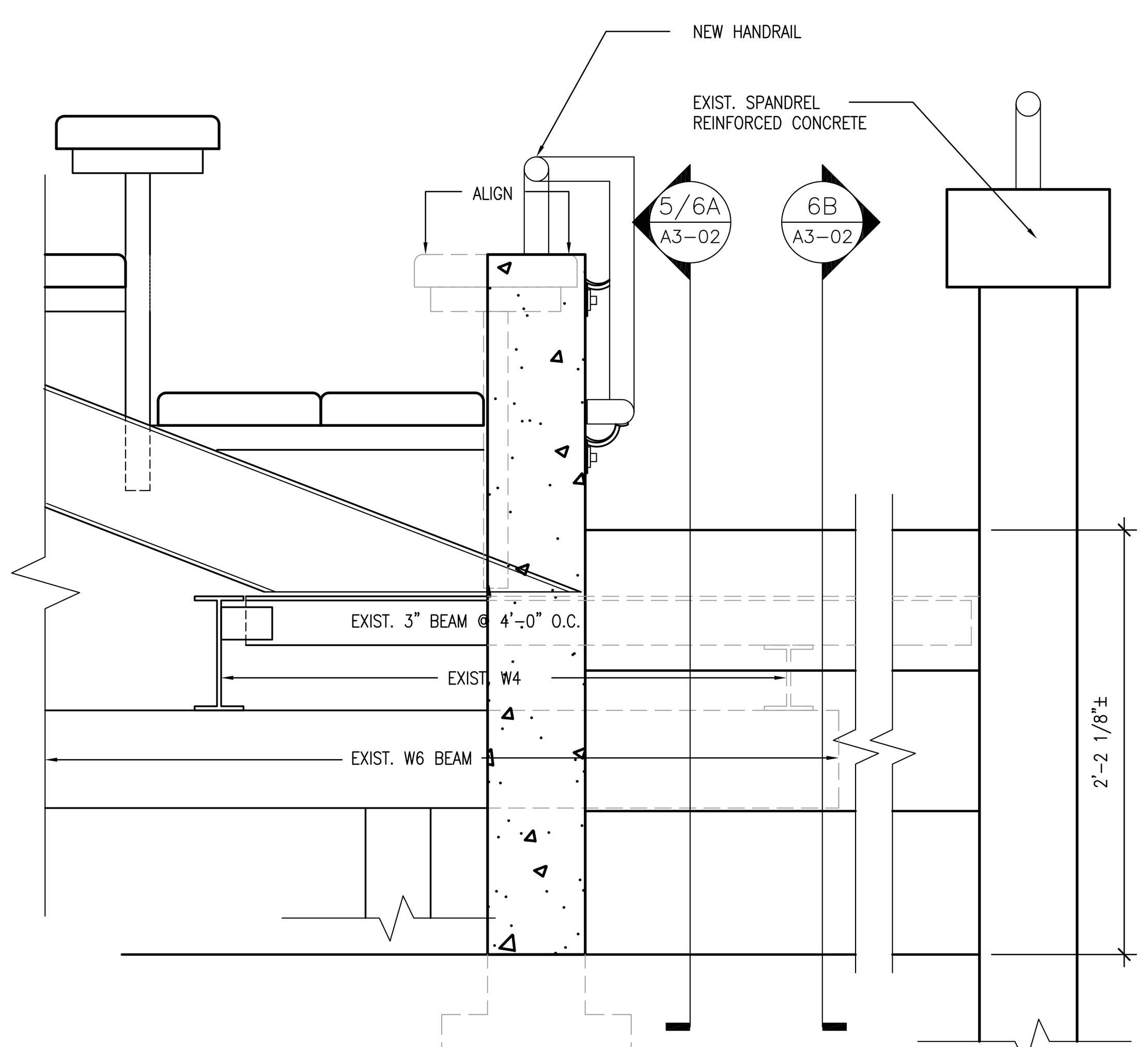
FOR INFORMATION ONLY



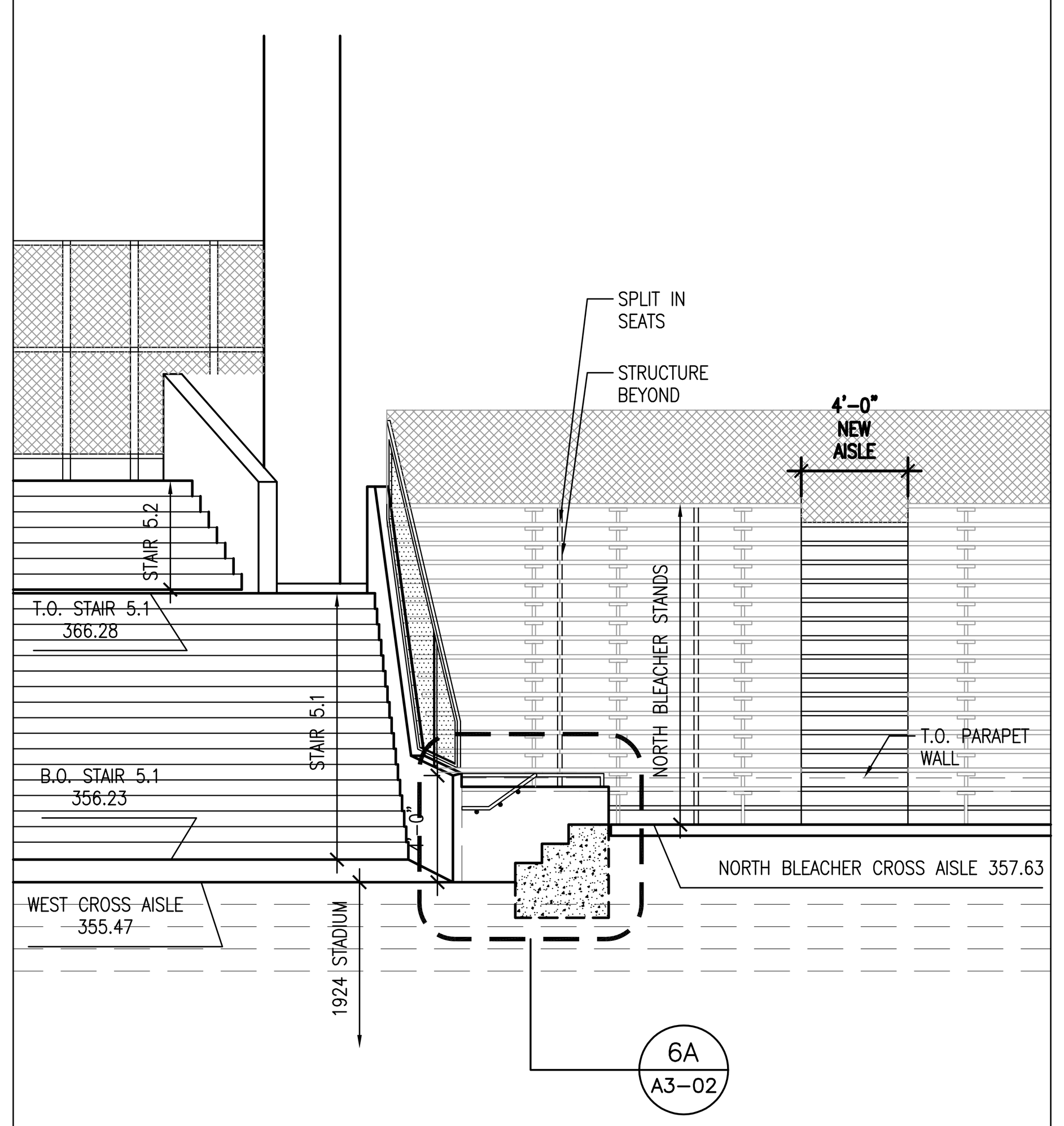
2 (A3-02) STADIUM SECTION
NORTH STANDS @ COLUMN 10-17
SCALE : 1/4" = 1'-0"



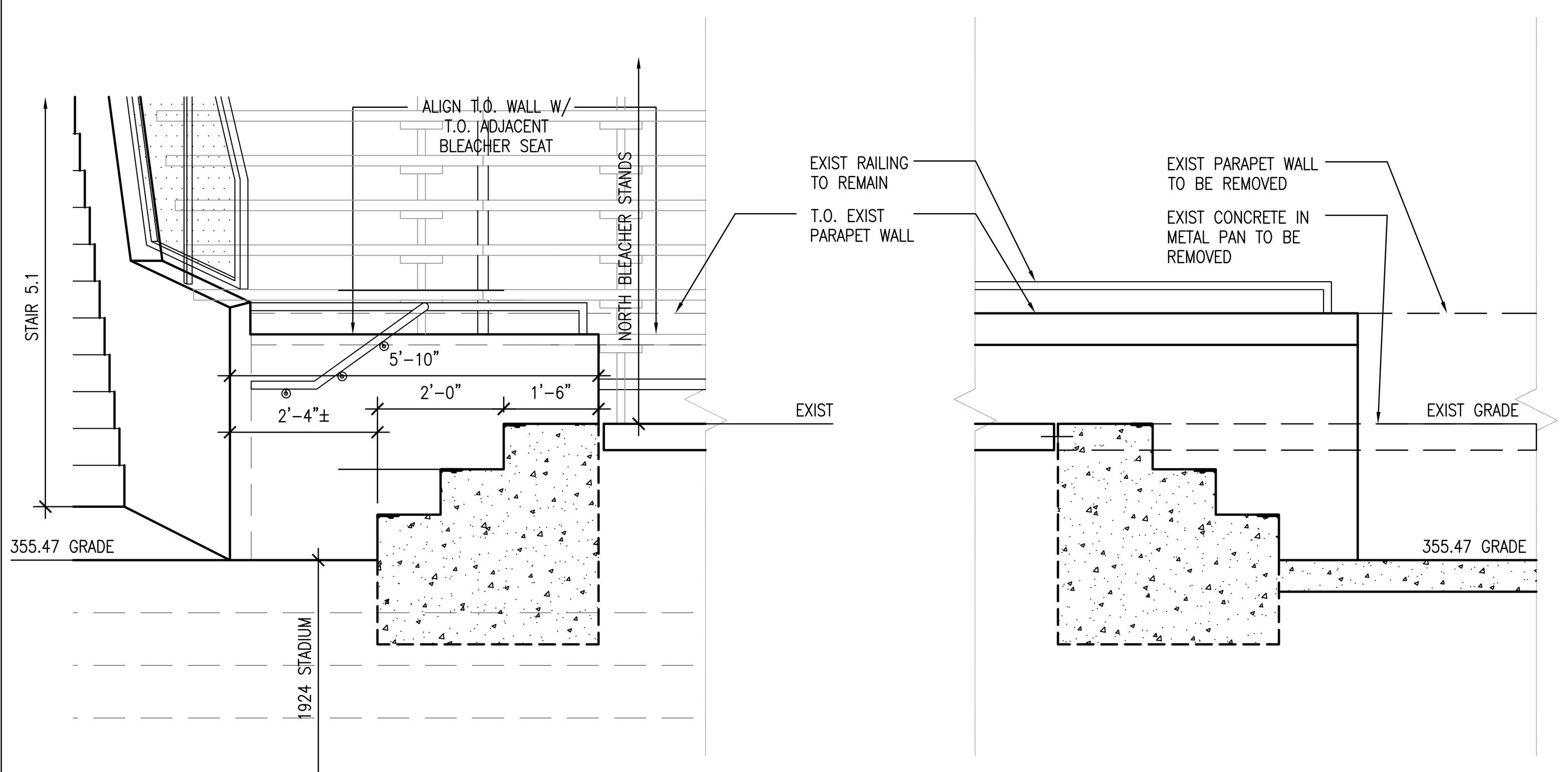
3 (A3-02) SECTION AT CEMENT PLASTER
TERRA-COTTA BLOCK WALL-DEMO
SCALE : 1/2" = 1'-0"



4 (A3-02) DETAIL AT CONCRETE STAIR
SCALE : 1 1/2" = 1'-0"



5 (A3-02) NORTH WEST STANDS
SECTION THROUGH EGRESS STAIR
SCALE : 3/16" = 1'-0"

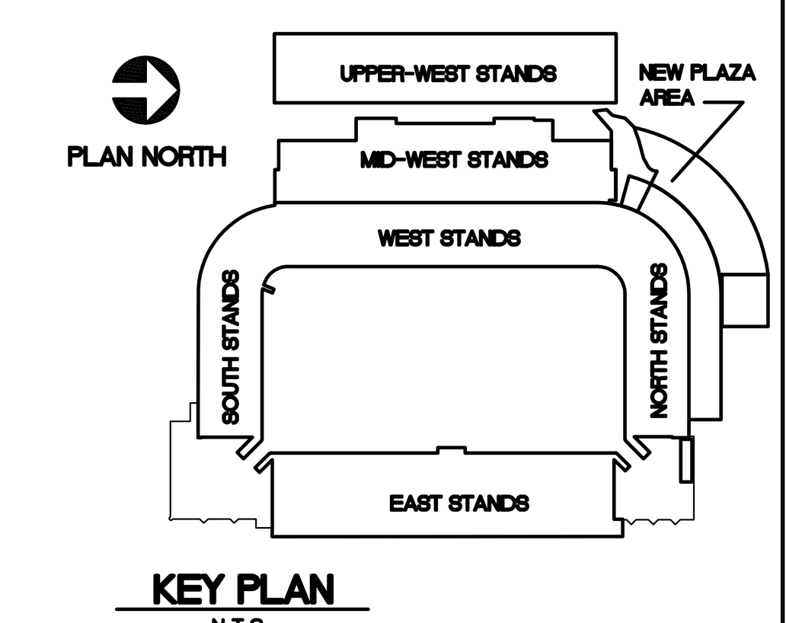


6A SECTION ELEVATION
TOWARD NORTH BLEACHER STANDS

6B SECTION ELEVATION
TOWARD LOWER STANDS

6 (A3-02) SECTION AT STAIR
AT NORTH BLEACHER
SCALE : 1/2" = 1'-0"

FOR ADDITIONAL INFORMATION, SEE STRUCTURAL DRAWINGS



KEY PLAN
N.T.S.

STATE OF NEW YORK
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US Army Corps of Engineers
New York District

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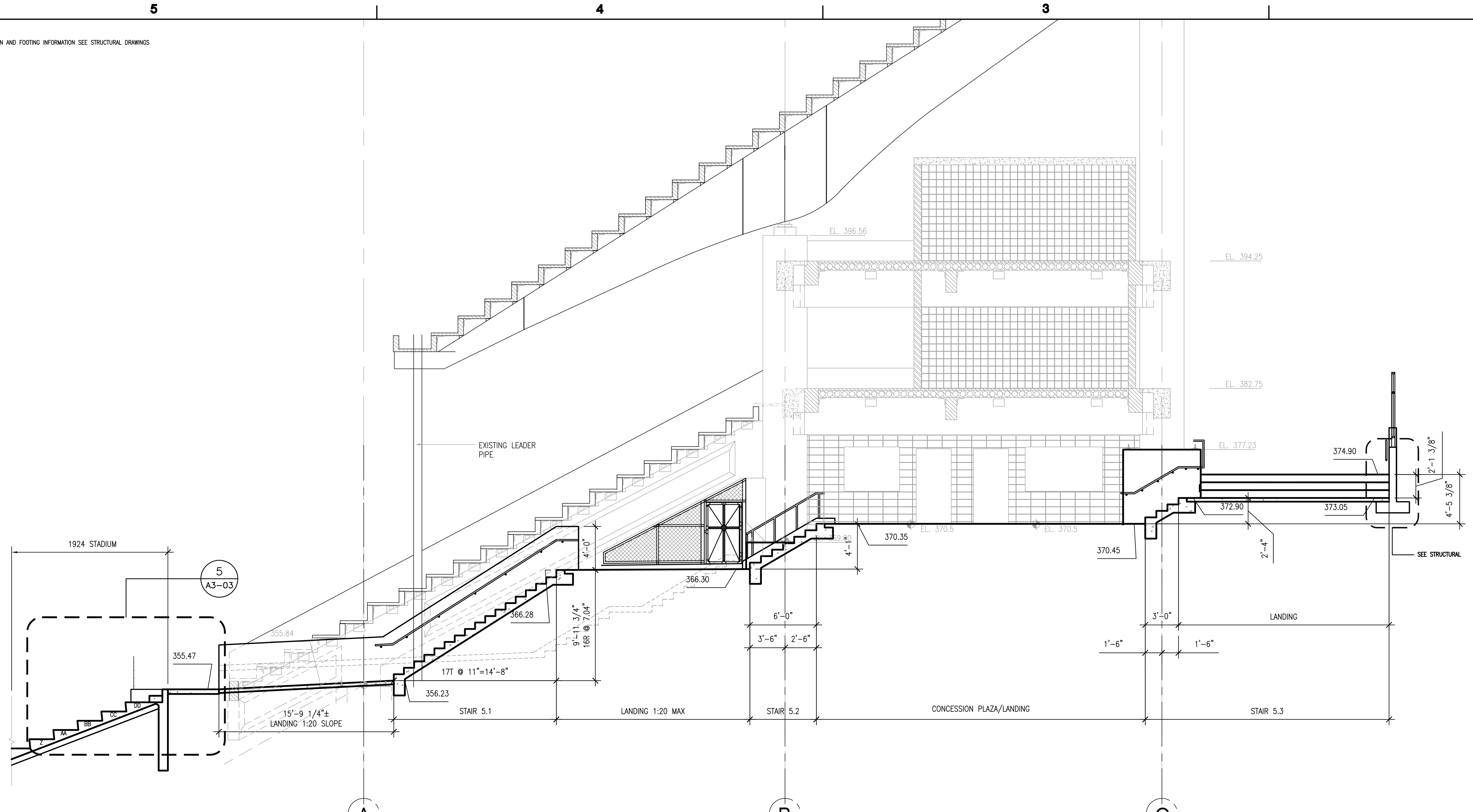
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA - STONY LONESOME ROAD WEST POINT, NEW YORK

STADIUM SECTION:
NORTH STANDS

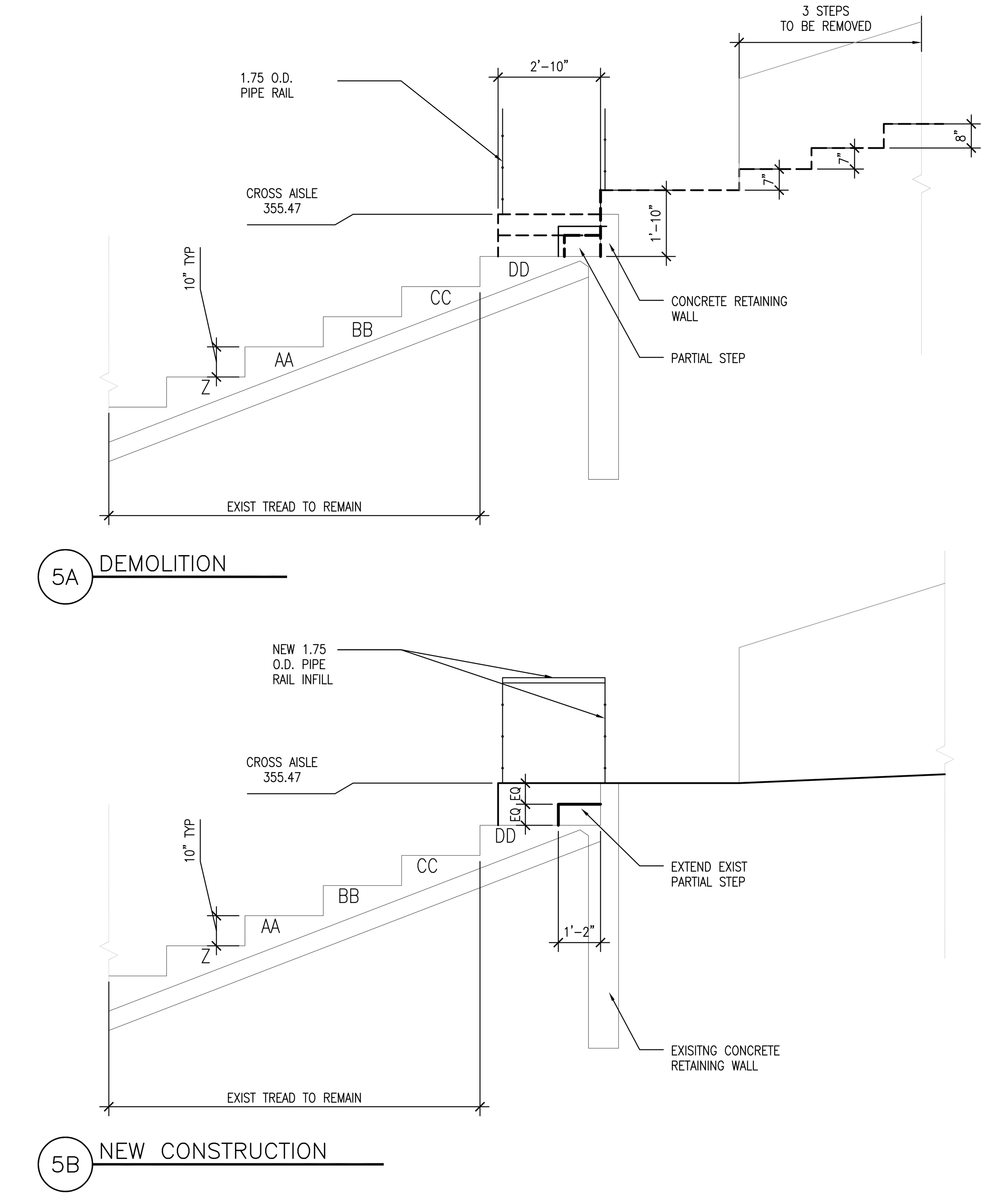
DRAWING
A3-02

Time: 1:43 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\10981954.Michie Stadium\Phase A-1\arch\A3-02.dwg

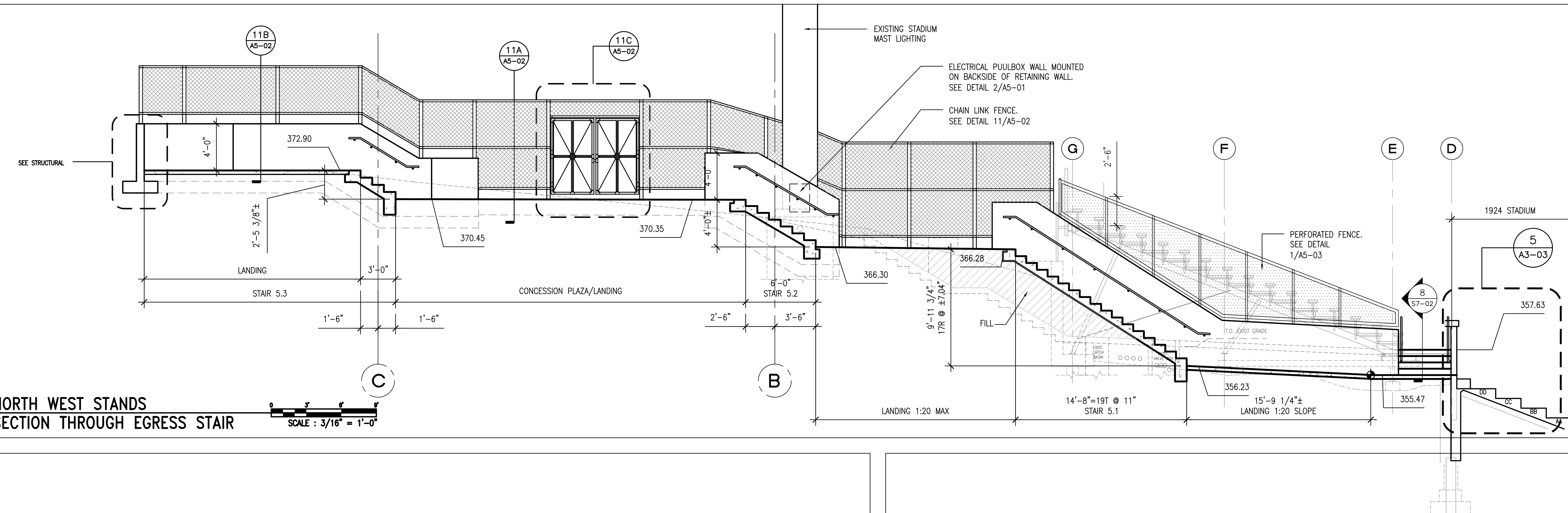
FOR FOUNDATION AND FOOTING INFORMATION SEE STRUCTURAL DRAWINGS



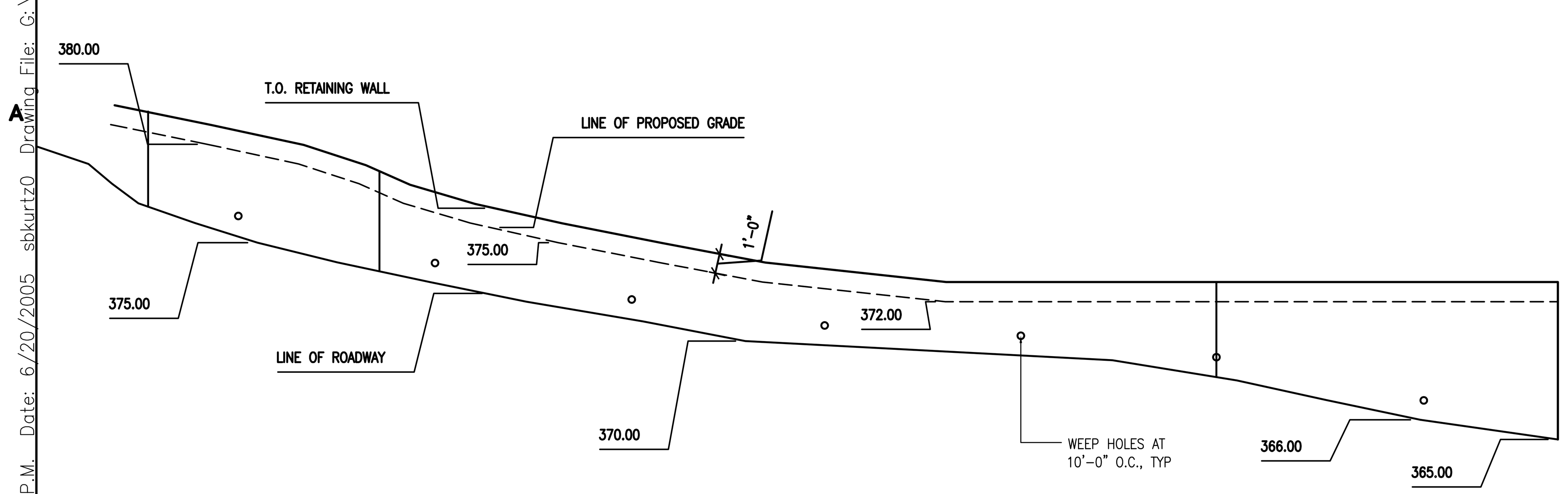
1 A3-03 NORTH WEST STANDS
SECTION THROUGH EGRESS STAIR
SCALE : 3/16" = 1'-0"



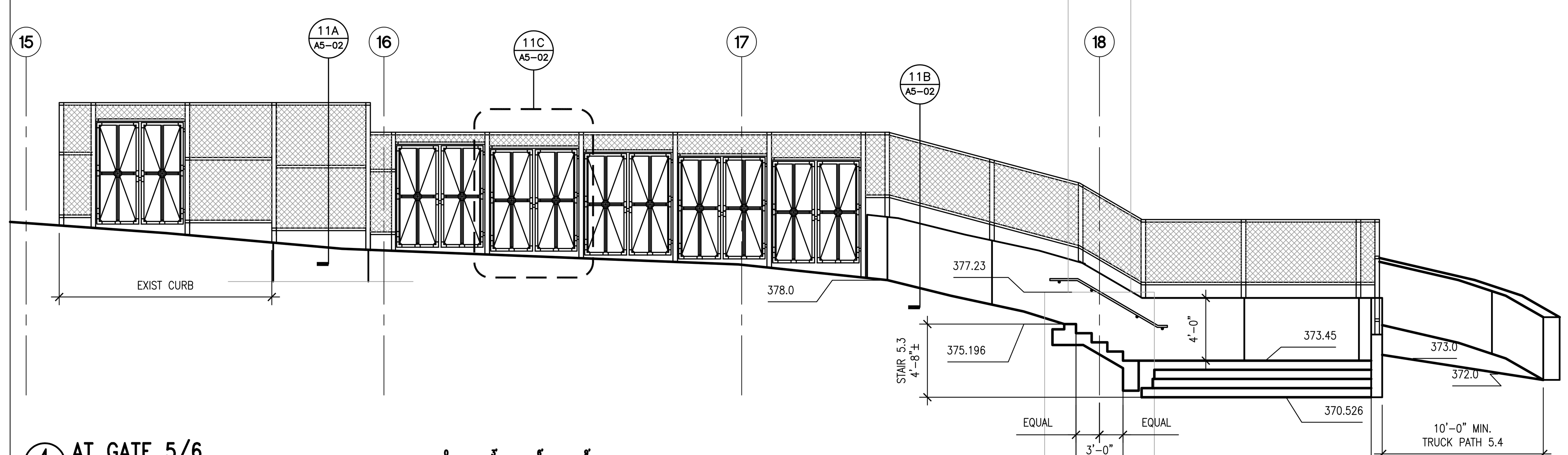
5 A3-03 SECTION
AT T.O. 1924 STEPPED AISLE
SCALE : 3/8" = 1'-0"



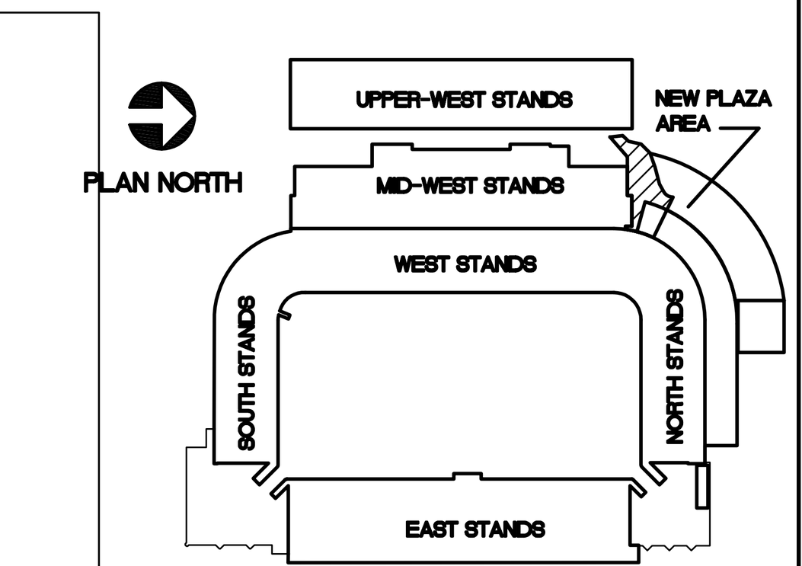
2 A3-03 NORTH WEST STANDS
SECTION THROUGH EGRESS STAIR
SCALE : 3/16" = 1'-0"



3 A3-03 NORTH WEST STANDS
SECTION THROUGH TRUCK PATH 5.4
SCALE : 3/16" = 1'-0"



4 A3-03 AT GATE 5/6
ELEVATION
SCALE : 3/16" = 1'-0"



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Designed by: SK; | Checked by: TS;

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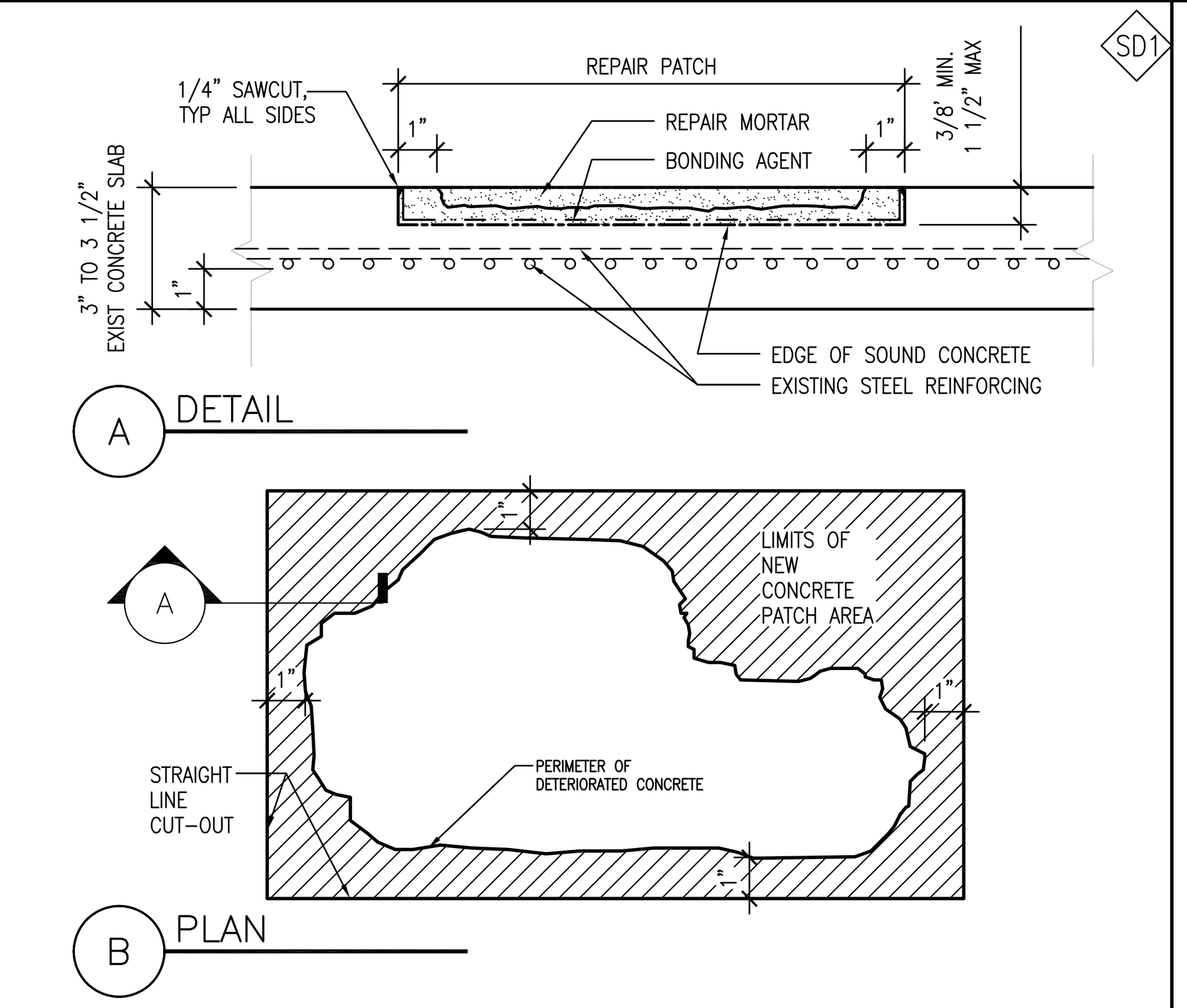
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD
WEST POINT, NEW YORK

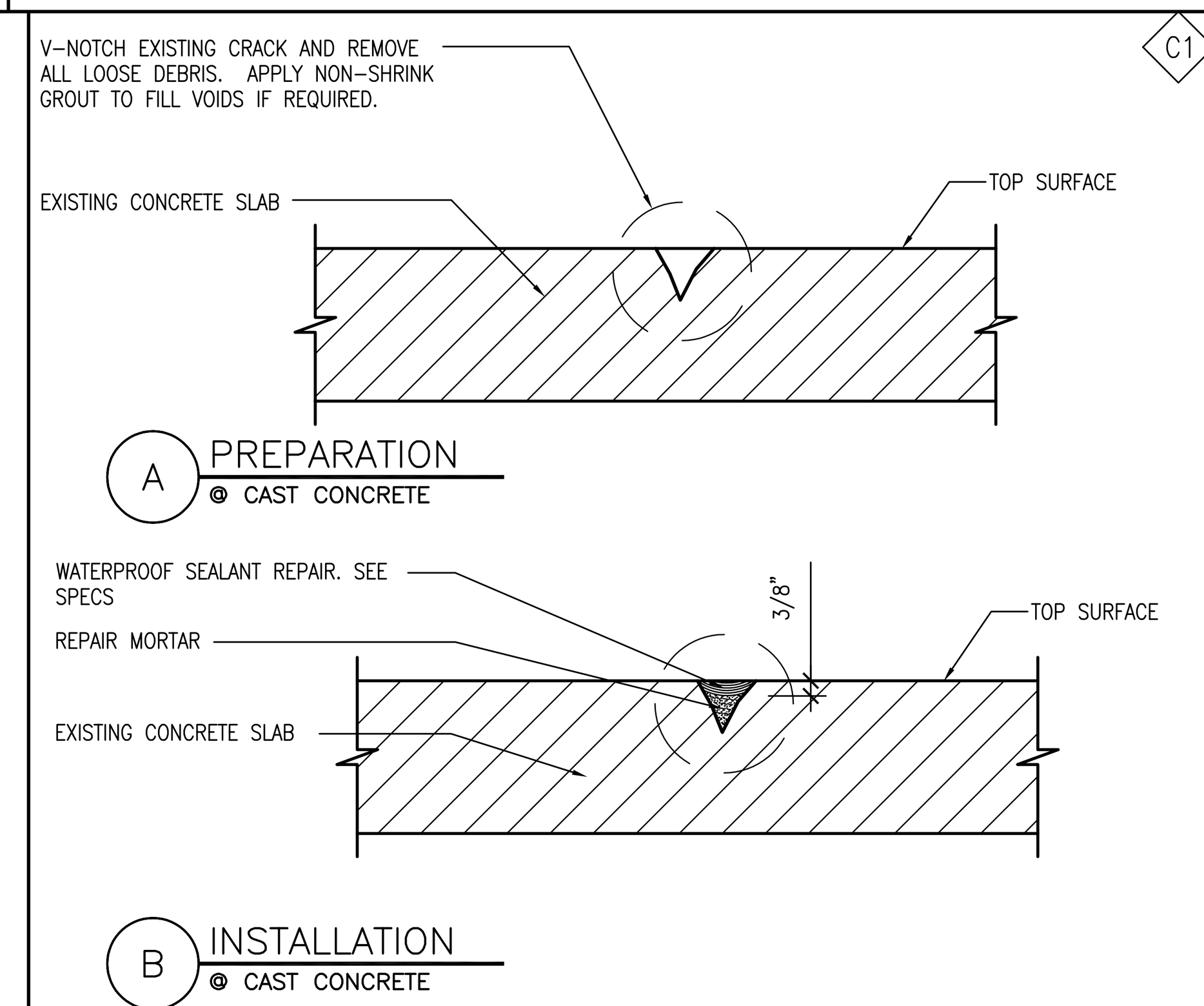
STADIUM SECTION:
NORTH WEST EGRESS STAIR

DRAWING
A3-03
19 OF 37

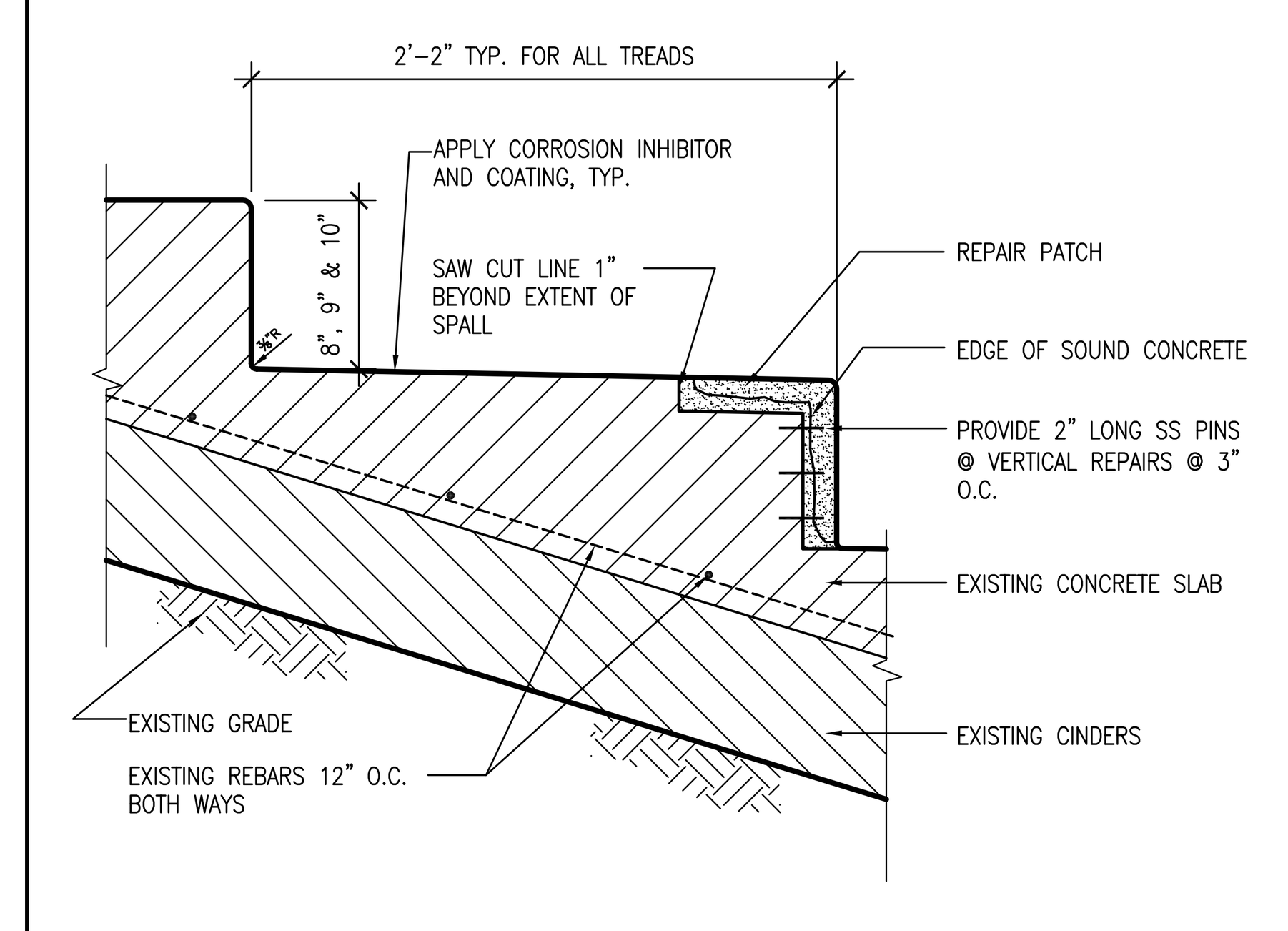
Time: 1:45 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\10981954.Michie Stadium\Phase A-1\arch\A3-03.dwg



SD1 A4-01 REPAIR @ ELEVATED SEATING DECK
SCALE : 3" = 1'-0"

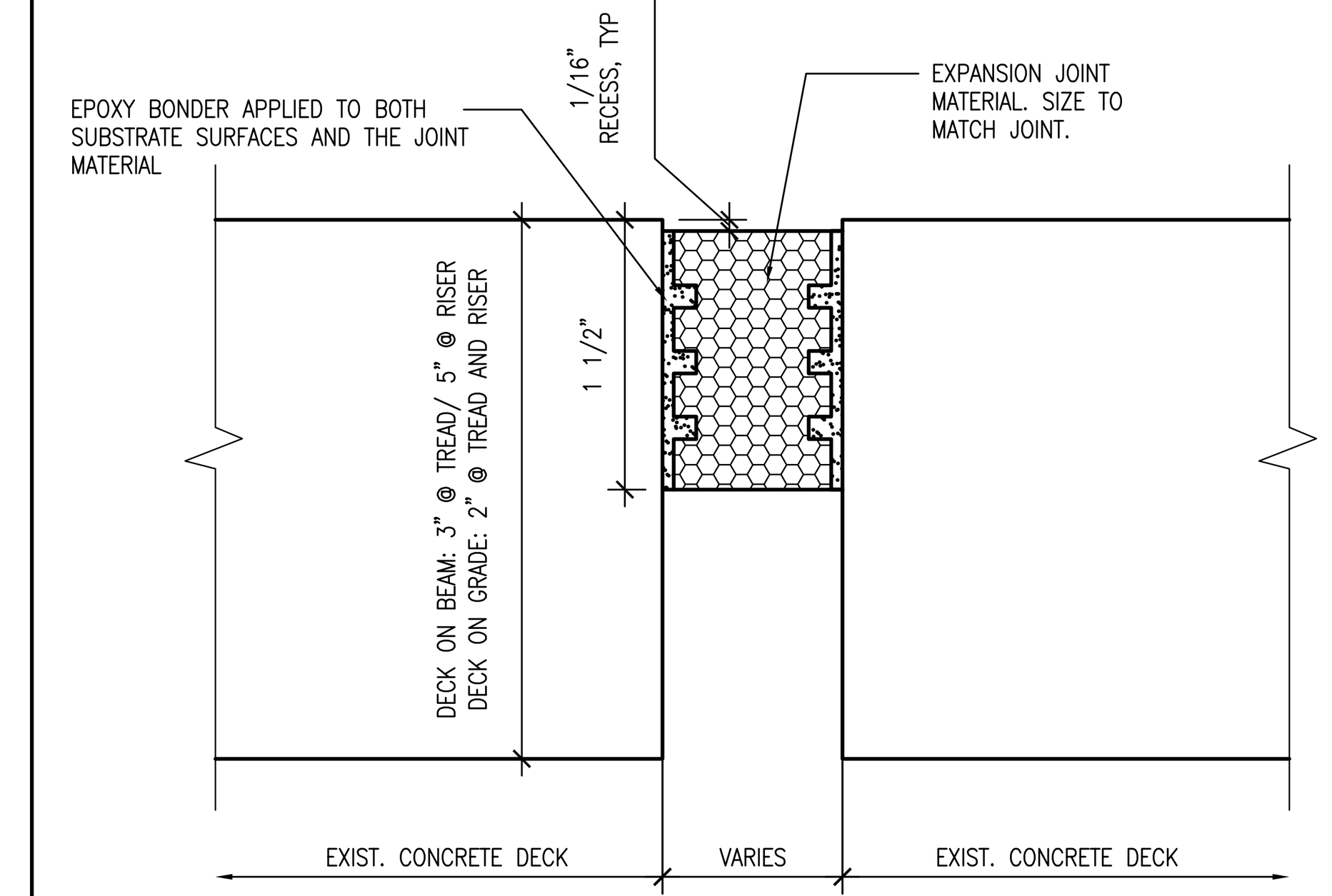


C1 A4-01 REPAIR C-1 CRACK REPAIR INSTALLATION
SCALE : NTS

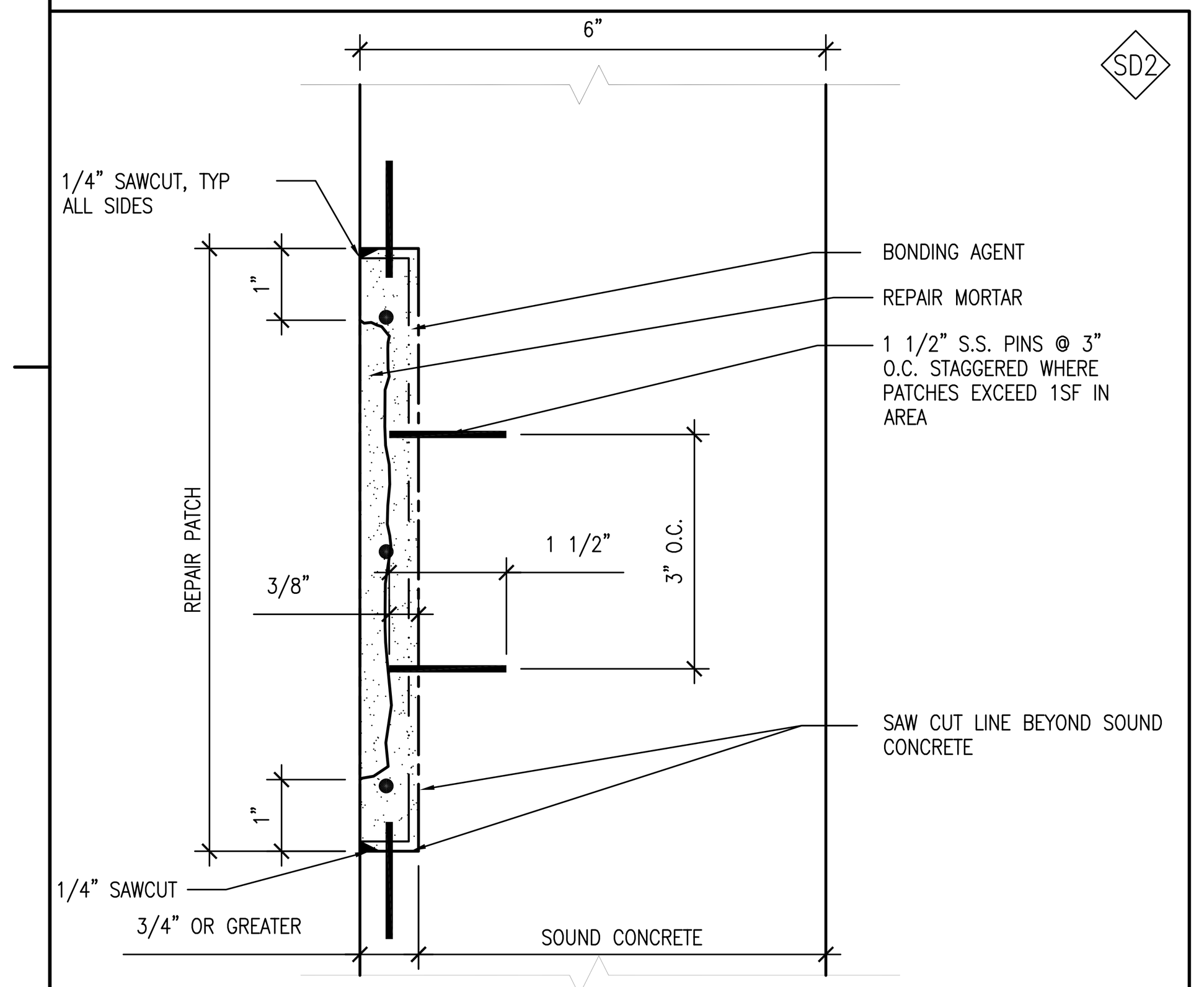


NOTE:
1. FOR STANCHION BOLT REMOVAL AND INSTALLATION – REFER TO DETAIL "A" & "B" DRAWING A4-02.
2. REFER TO DETAIL "3" AND "4" THIS DRAWING FOR TYP. OF TRAFFIC BEARING REPAIR NOTES.

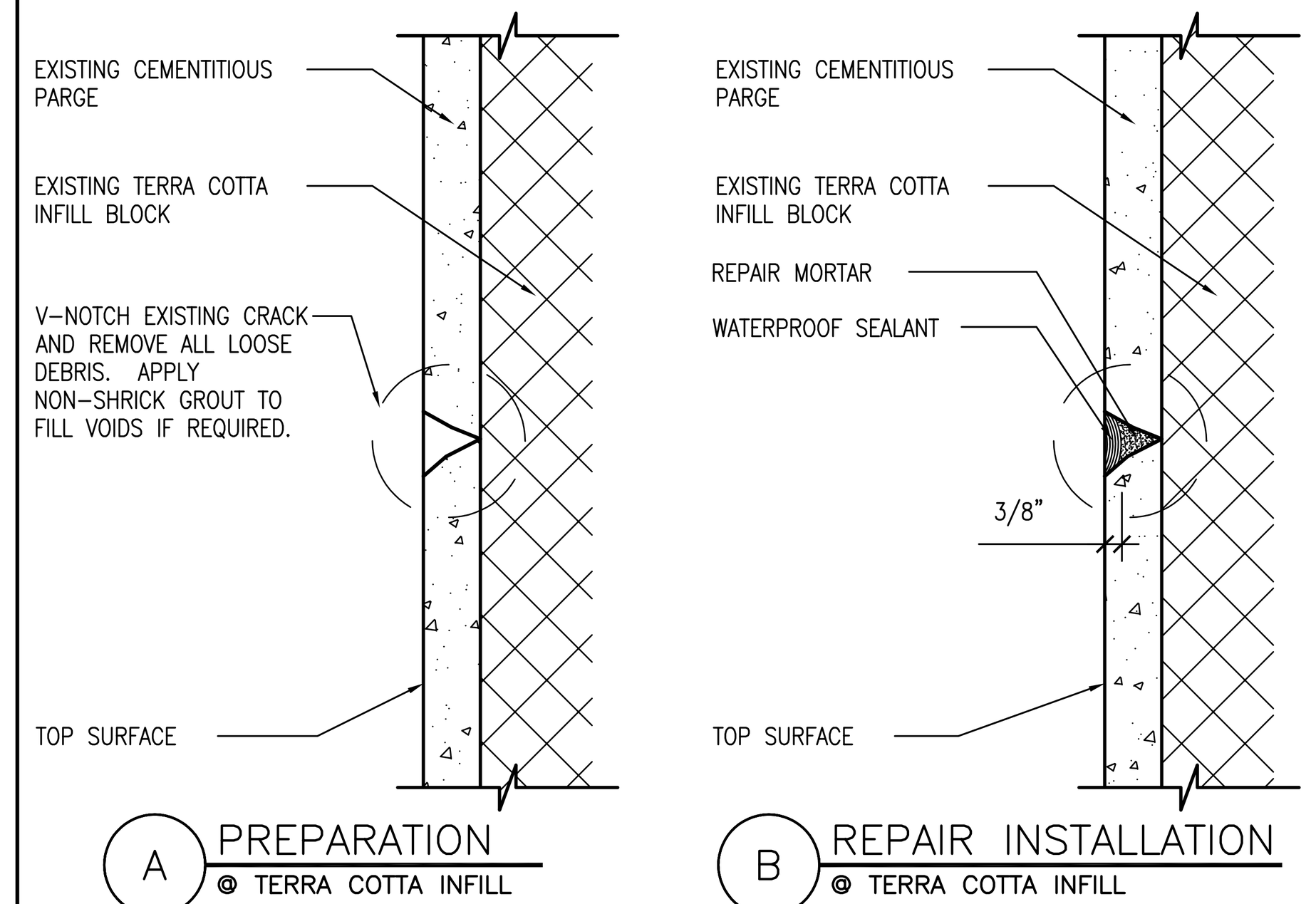
8 A4-01 SPALL AT EDGE OF RISER @ DECK SUPPORTED ON GRADE
SCALE : 1 1/2" = 1'-0"



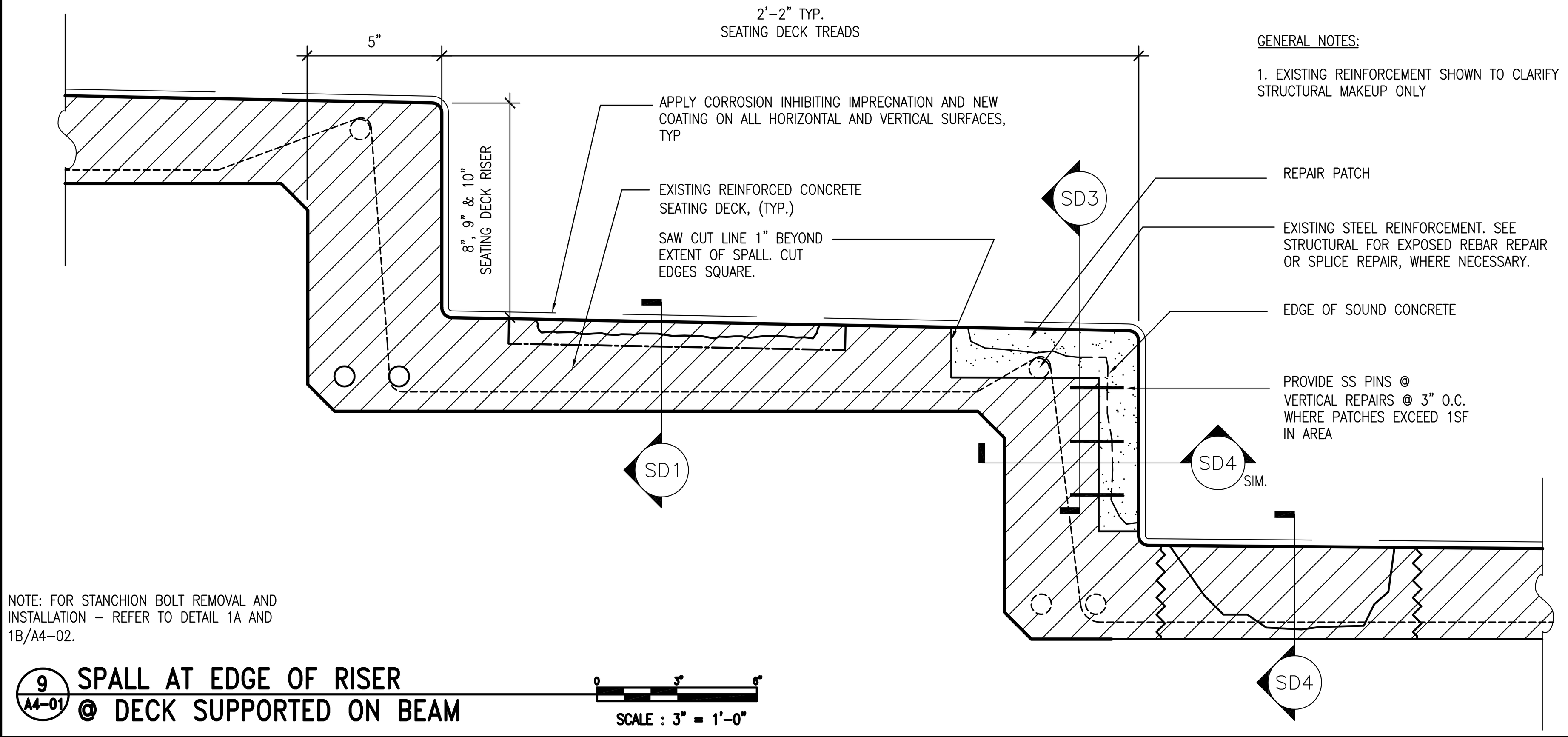
13A A4-01 SECTION AT EXPANSION JOINT AT TOP OF DECK
SCALE : FULL



SD2 A4-01 REPAIR @ STRUCTURAL CONCRETE WALL
SCALE : 6" = 1'-0"

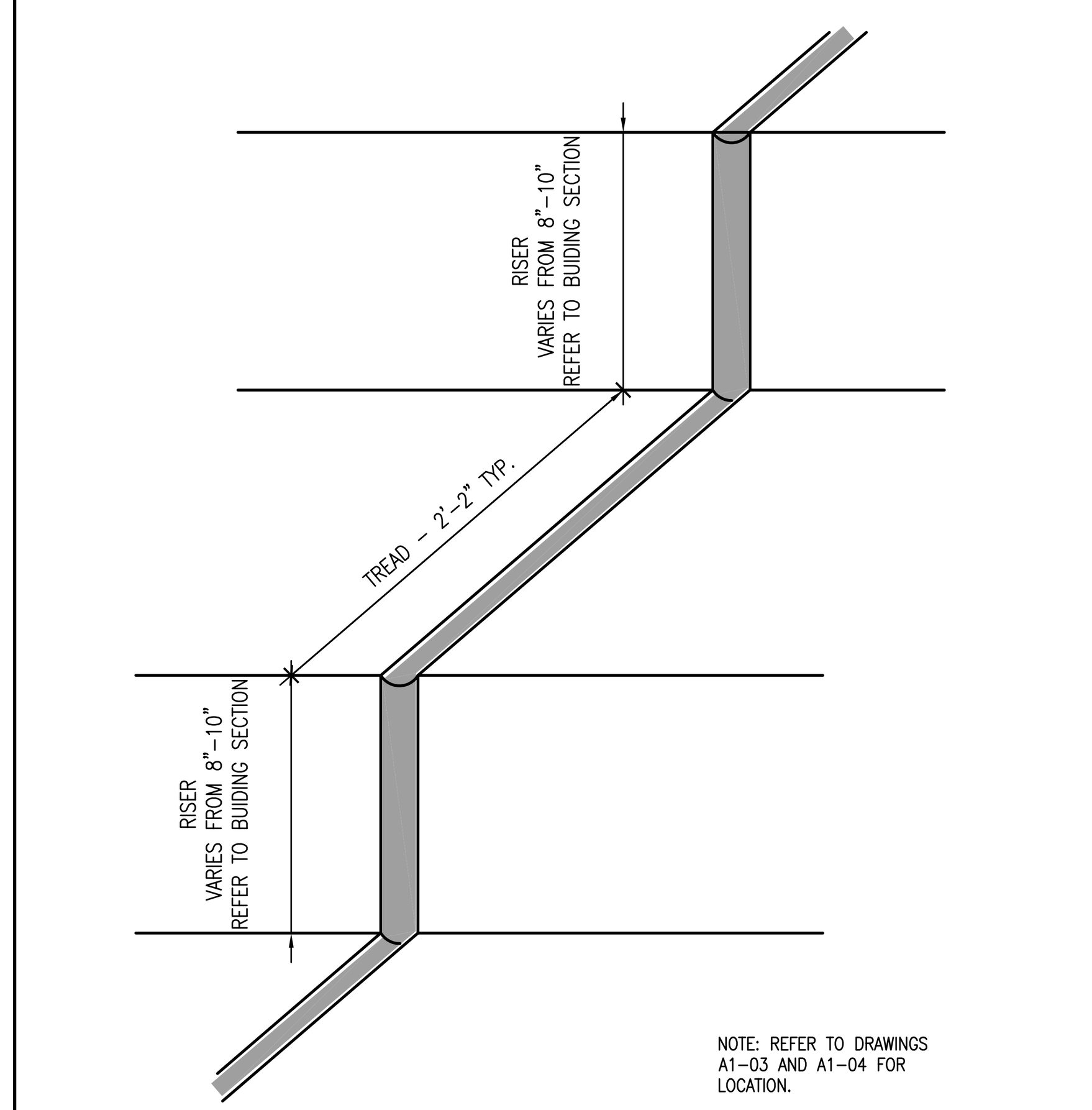


C-1 A4-01 VERTICAL HAIRLINE CRACK REPAIR @ TERRA COTTA INFILL
SCALE : NTS

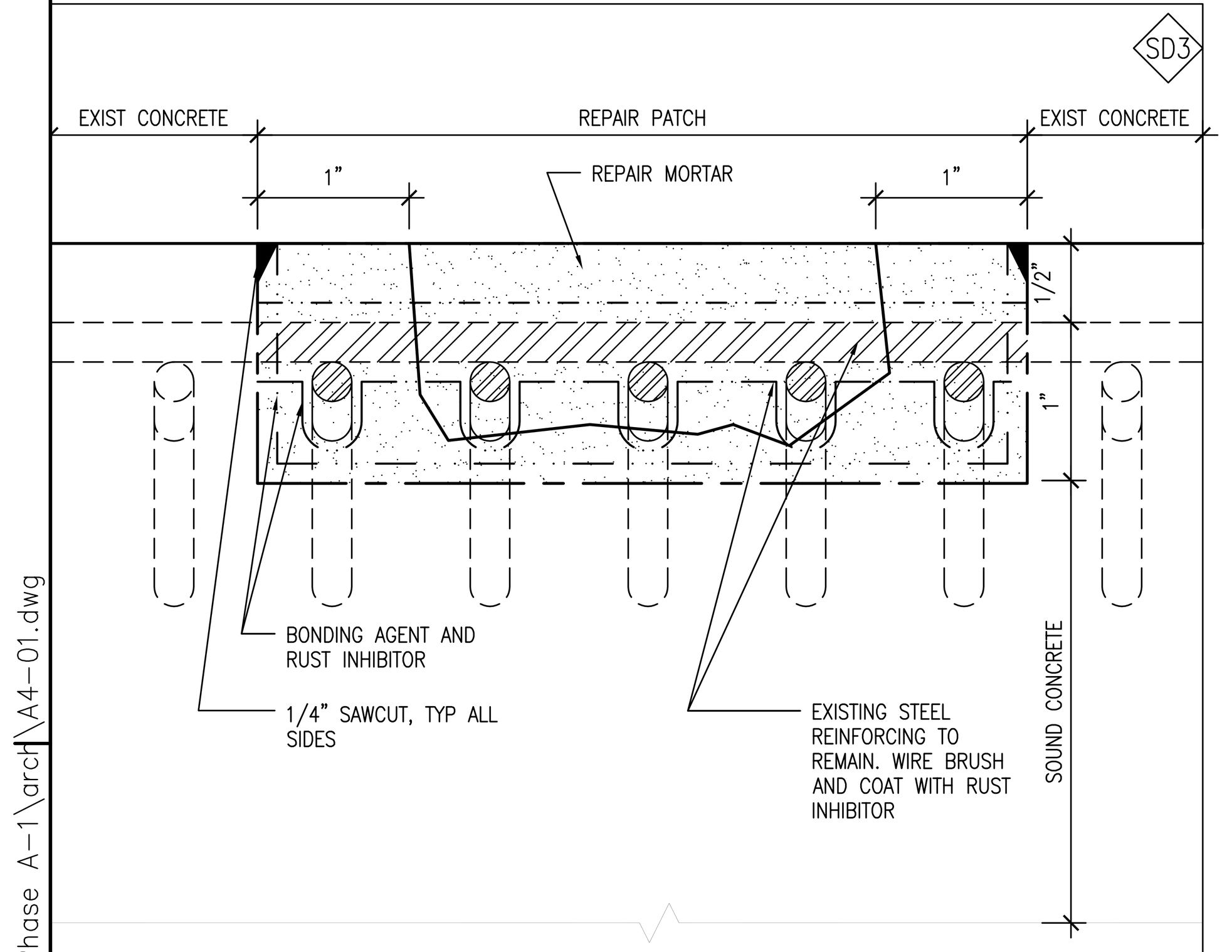


NOTE: FOR STANCHION BOLT REMOVAL AND INSTALLATION – REFER TO DETAIL 1A AND 1B/A4-02.

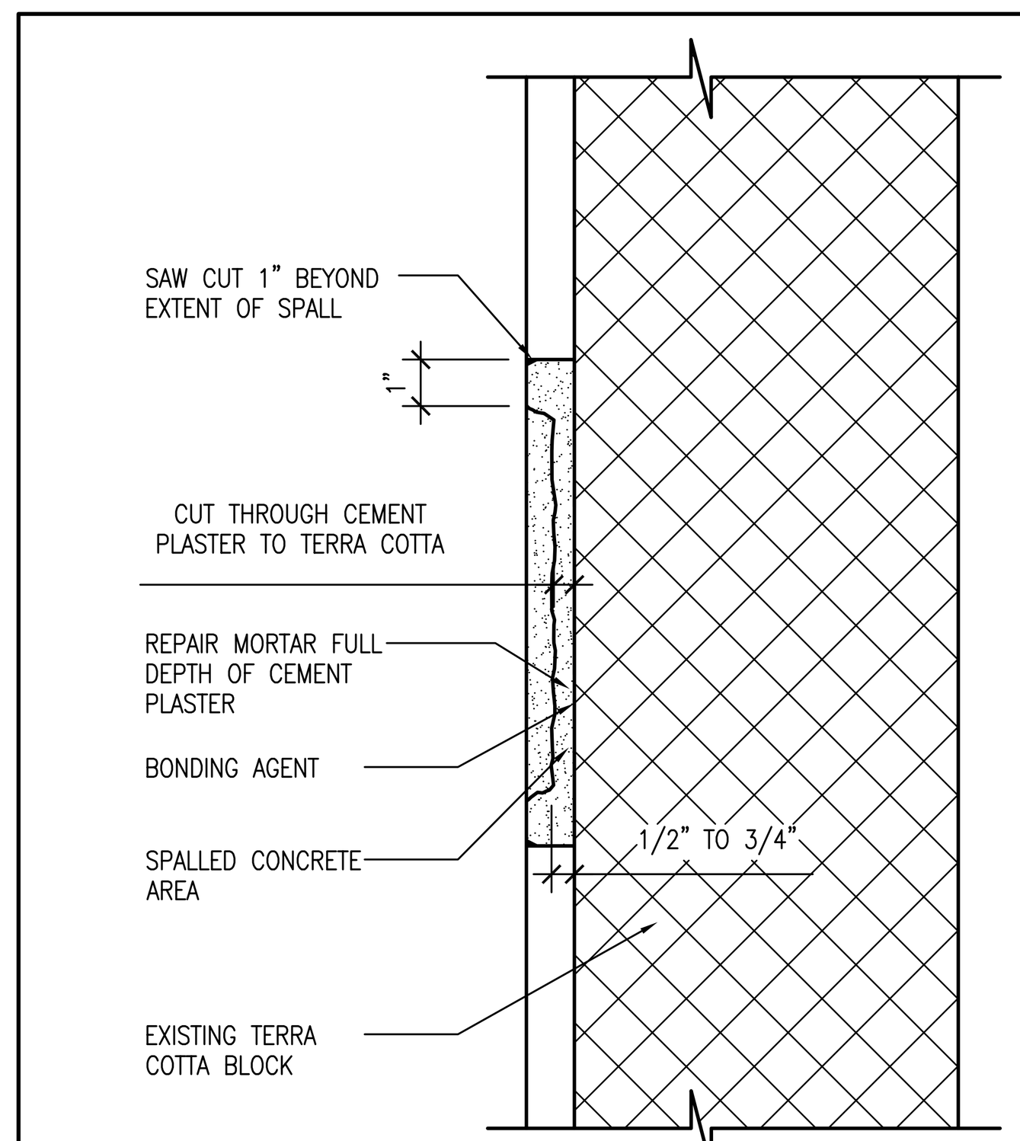
9 A4-01 SPALL AT EDGE OF RISER @ DECK SUPPORTED ON BEAM
SCALE : 3" = 1'-0"



13B A4-02 ISOMETRIC AT EXPANSION JOINT AT SEATING DECK
SCALE : NTS

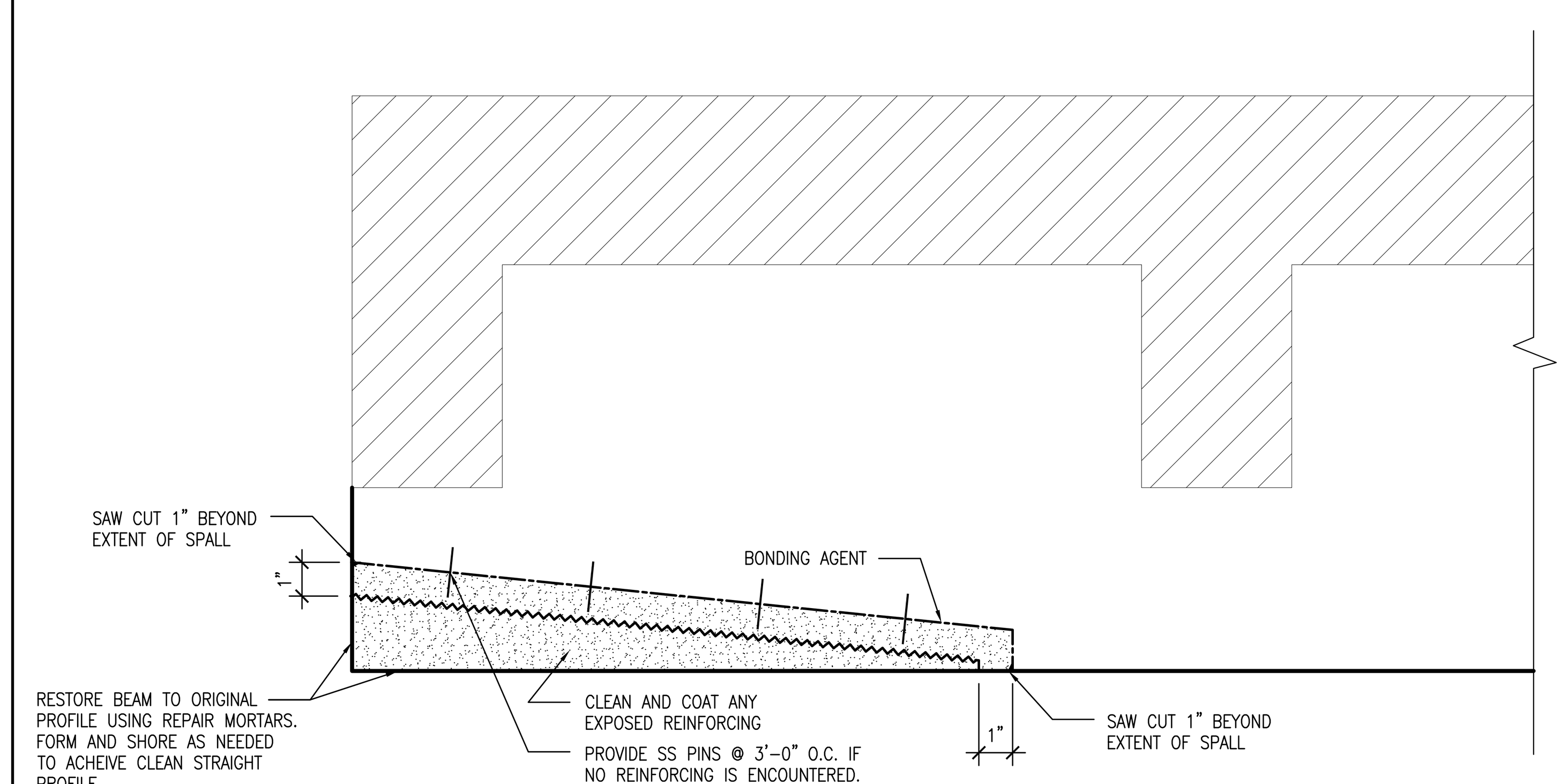


SD3 A4-01 REPAIR @ ELEVATED SEATING DECK
SCALE : FULL

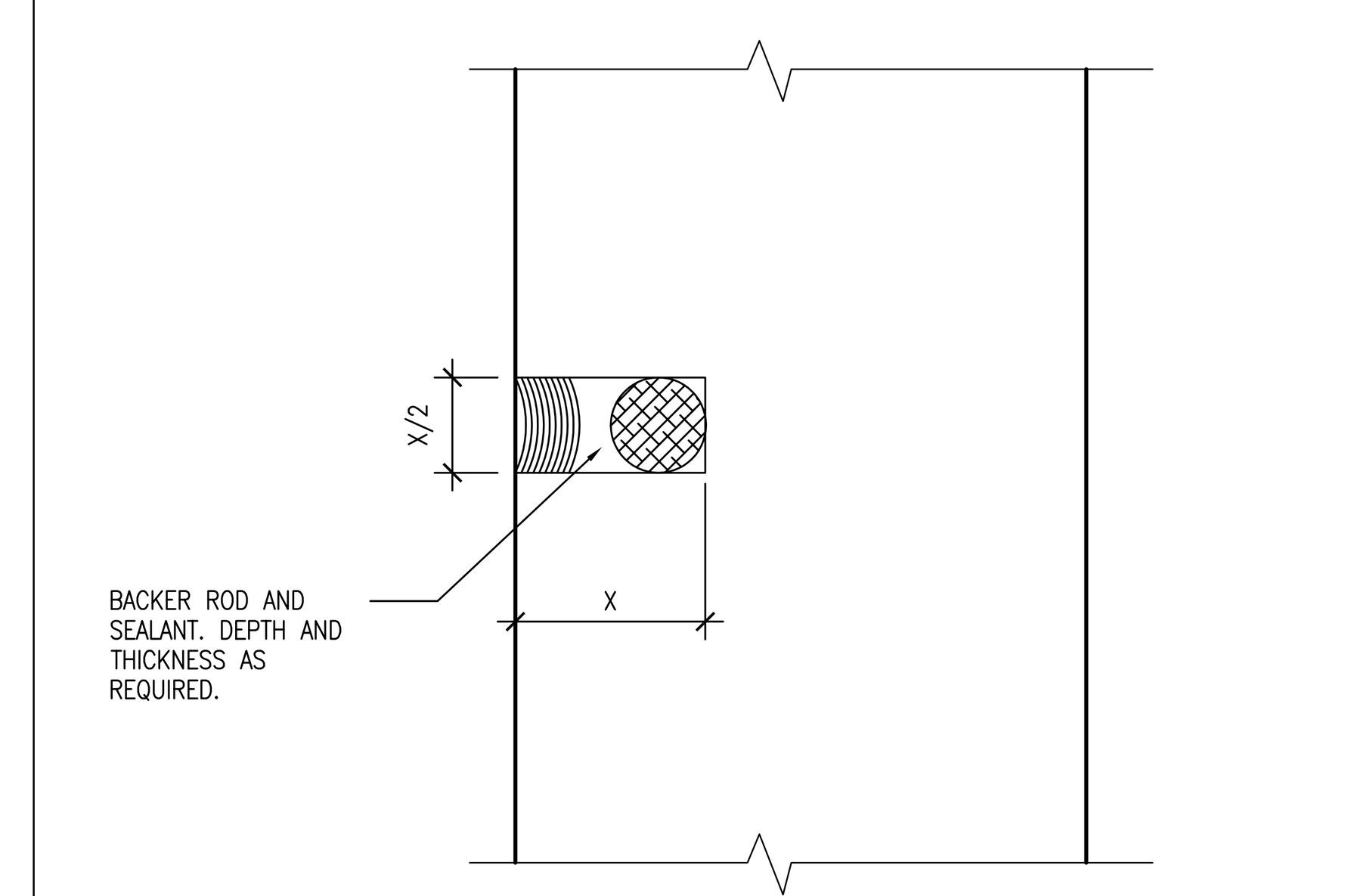


NOTES:
1. CHOP ALL LOOSE CONCRETE TO SOUND TERRA COTTA BLOCK.
2. SAW CUT EDGES TO A DEPTH OF 1/4" TO 3/4".

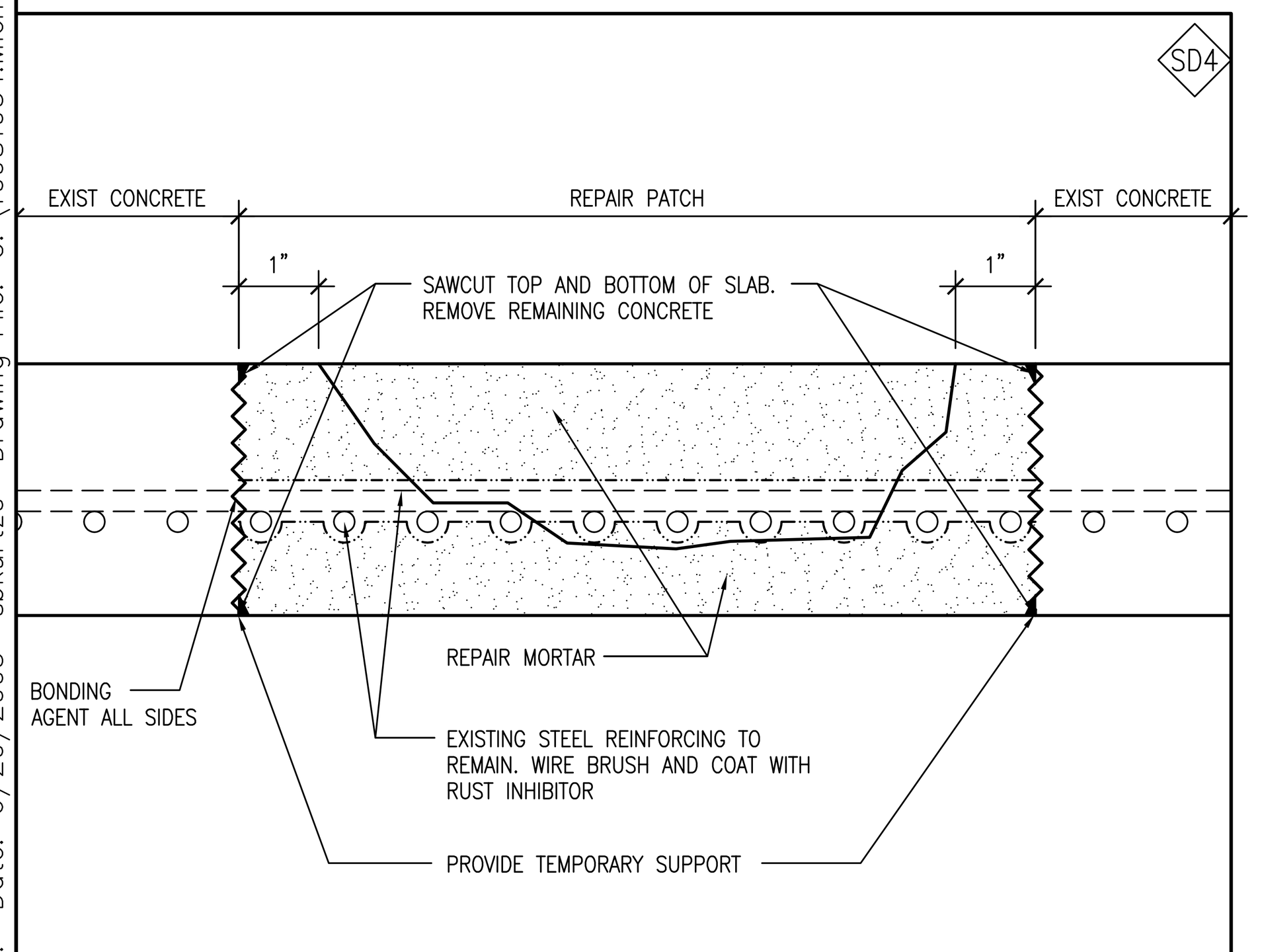
CP1 A4-01 VERTICAL PATCH REPAIR CP1 @ TERRA COTTA INFILL
SCALE : NTS



10 A4-01 BEAM RESTORATION AT NORTH TOILET
SCALE : 3" = 1'-0"

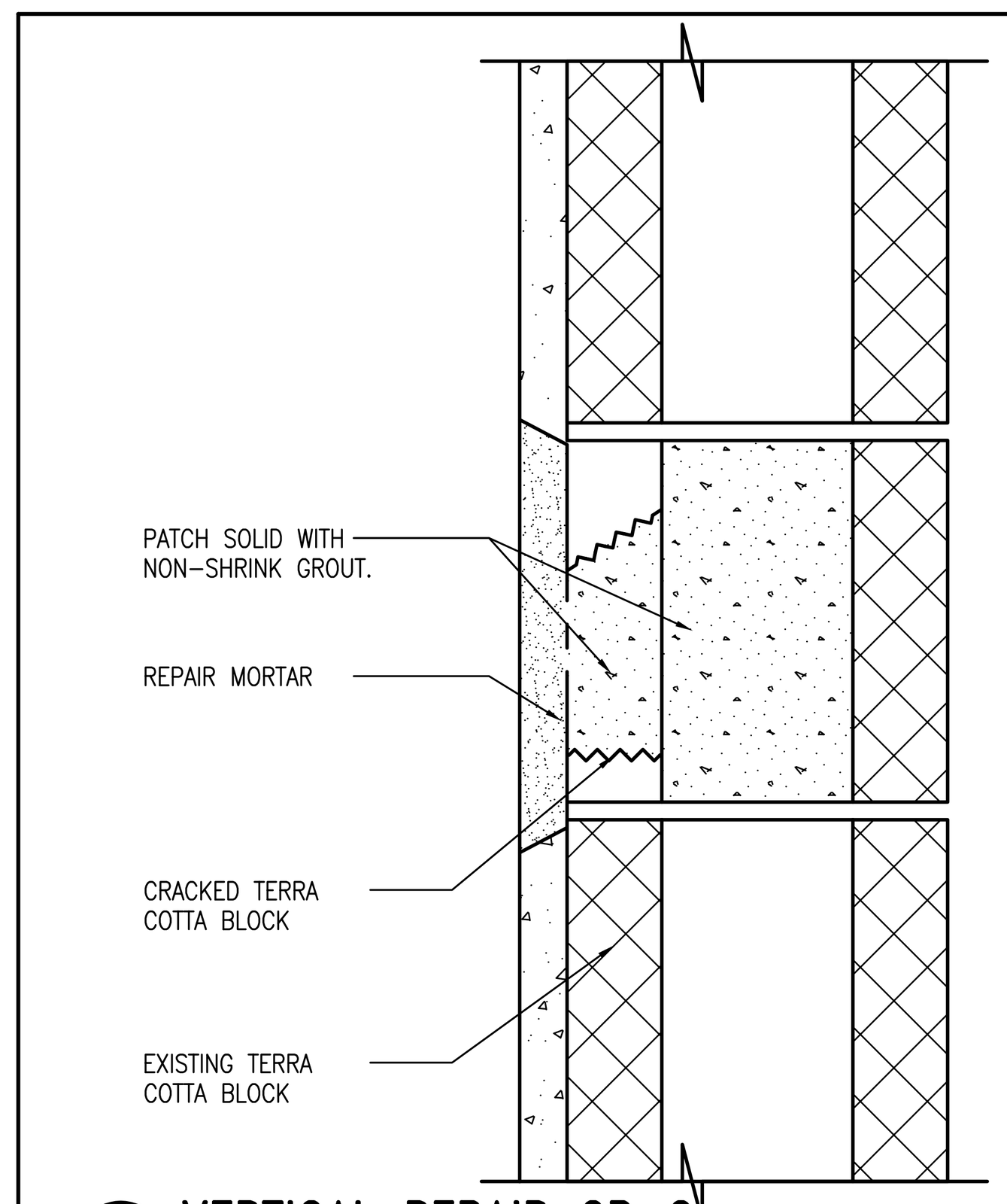


14 A4-01 CONTROL JOINT
SCALE : FULL

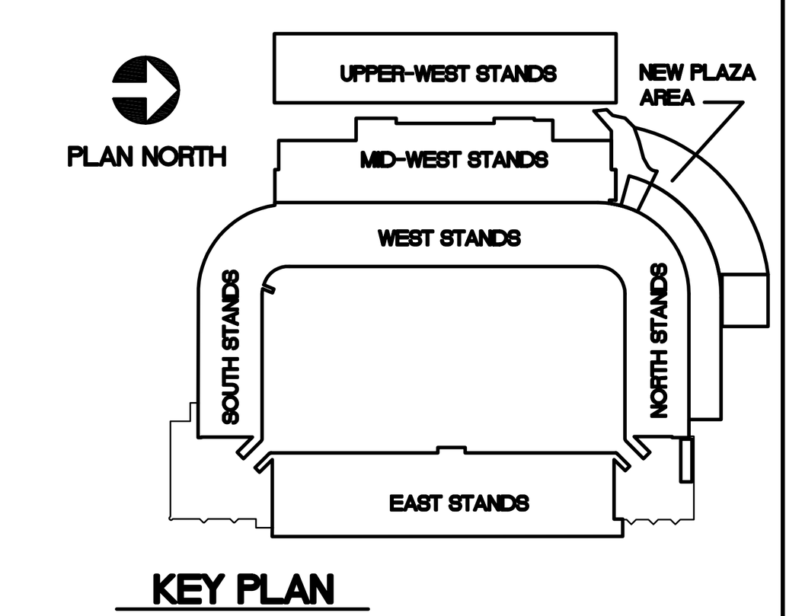


SEE DETAIL 3/S6-01 FOR STEEL SPLICE DETAIL

SD4 A4-01 FULL DEPTH REPAIR
SCALE : 6" = 1'-0"



CP2 A4-01 VERTICAL REPAIR CP-2 @ TERRA COTTA INFILL
SCALE : NTS



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New York District

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Checked by: TS;			Size: 30x42
Design file: 10981954.00000	Project ID.:	File No.: 7687-16479	Date: 06.28.05
Serial No.:			
Supervised by:	Designed by: SK;	Checked by: TS;	

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PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD
WEST POINT, NEW YORK

RESTORATION DETAILS:
TYPICAL CONCRETE DETAILS, SHEET 1

DRAWING
A4-01
20 OF 37

Time: 1:51 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\10981954.Michie Stadium\Phase A-1\arch\A4-01.dwg

5 4 3 2 1 | C B A

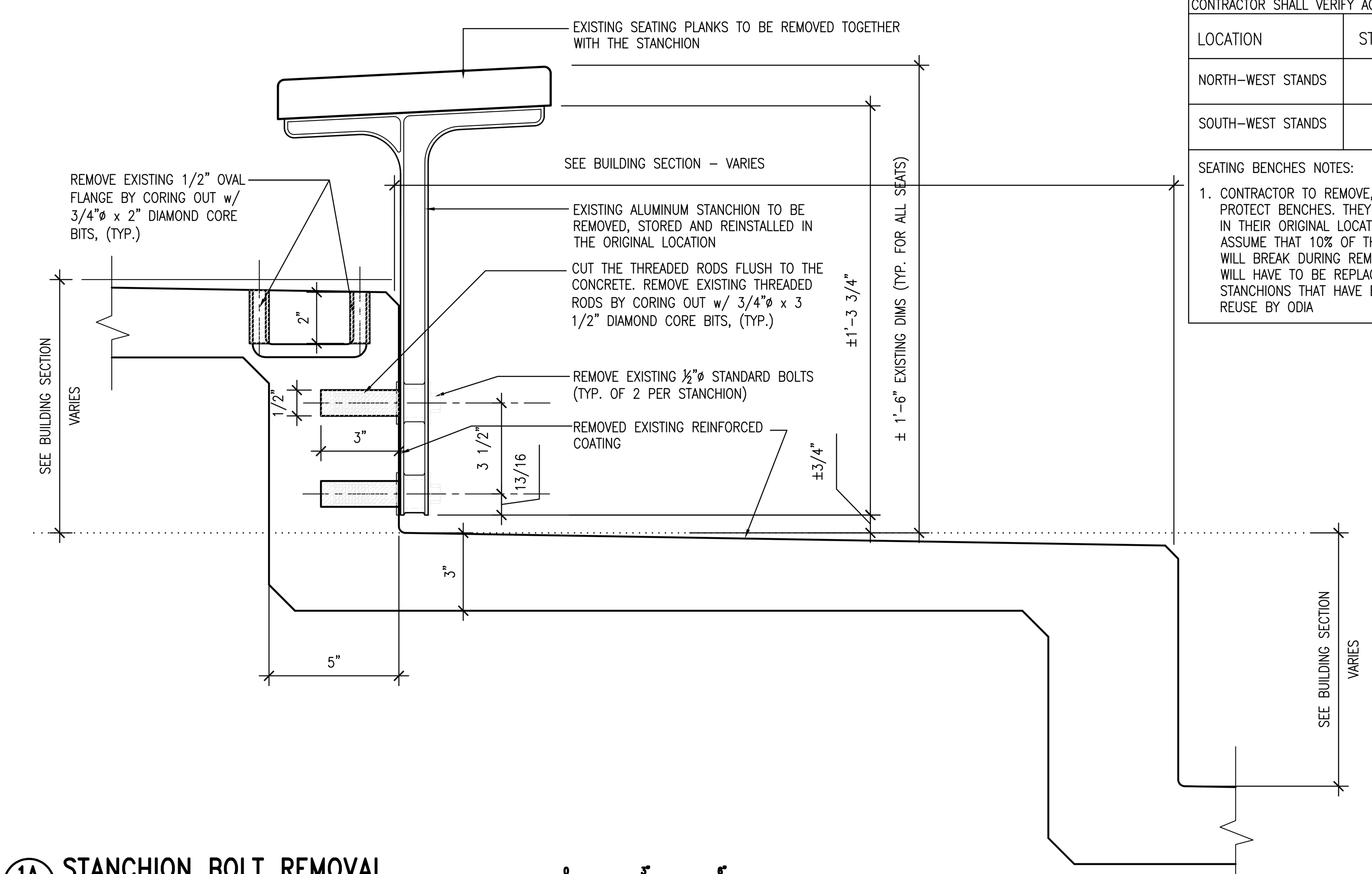
STANCHIONS/BOLTS SCHEDULE

INFO PURPOSES ONLY
CONTRACTOR SHALL VERIFY ACTUAL QUANTITIES

LOCATION	STANCHIONS	BOLTS
NORTH–WEST STANDS	3,580	7,160
SOUTH–WEST STANDS	3,495	6,990

SEATING BENCHES NOTES:

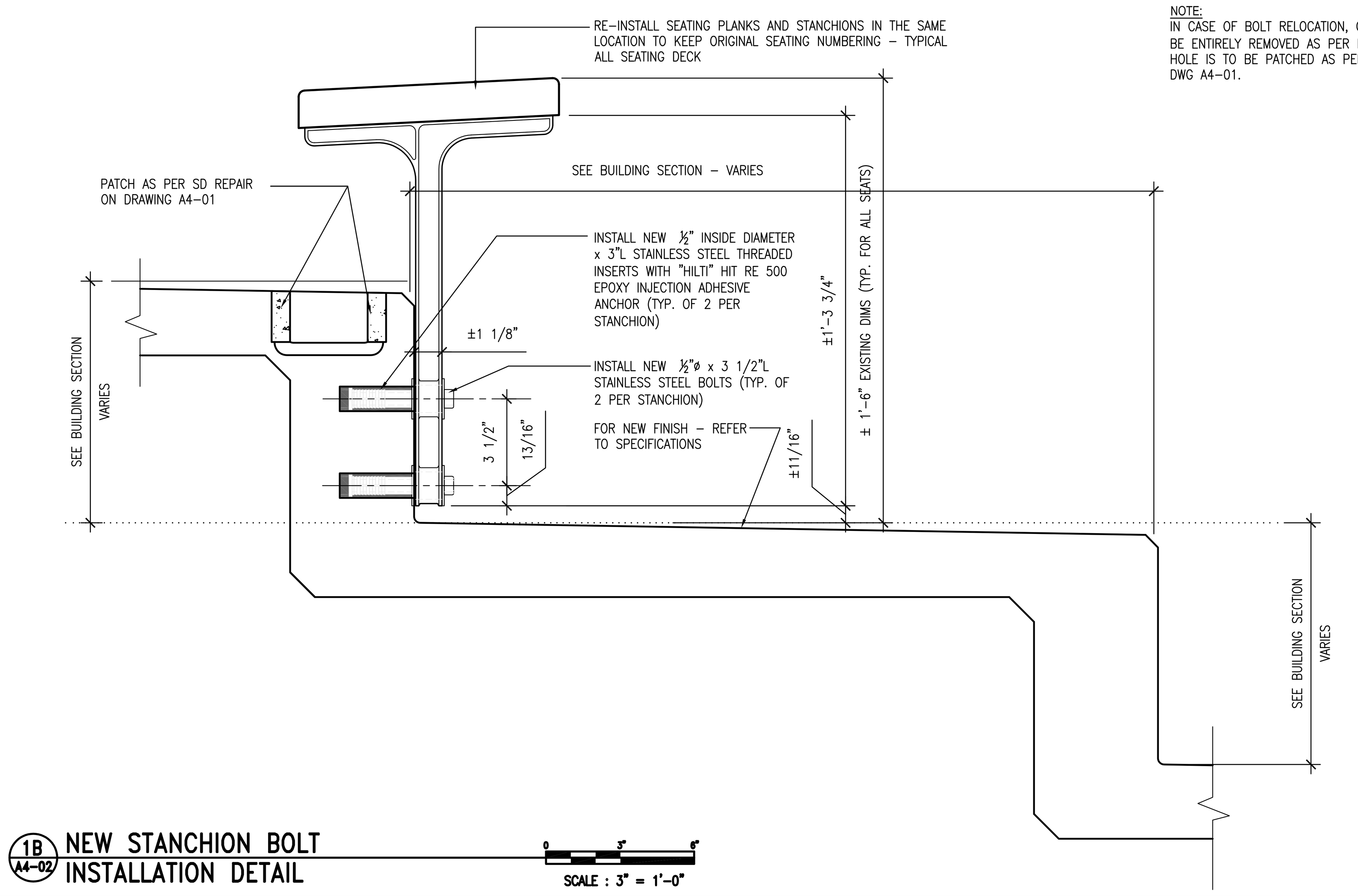
1. CONTRACTOR TO REMOVE, MARK, STORE AND PROTECT BENCHES. THEY MUST BE REINSTALLED IN THEIR ORIGINAL LOCATIONS, WITH EXCEPTIONS. ASSUME THAT 10% OF THE SEATING STANCHIONS WILL BREAK DURING REMOVAL OPERATIONS AND WILL HAVE TO BE REPLACED WITH EXTRA STANCHIONS THAT HAVE BEEN STORED FOR REUSE BY ODIA



(1A / A4-02) STANCHION BOLT REMOVAL

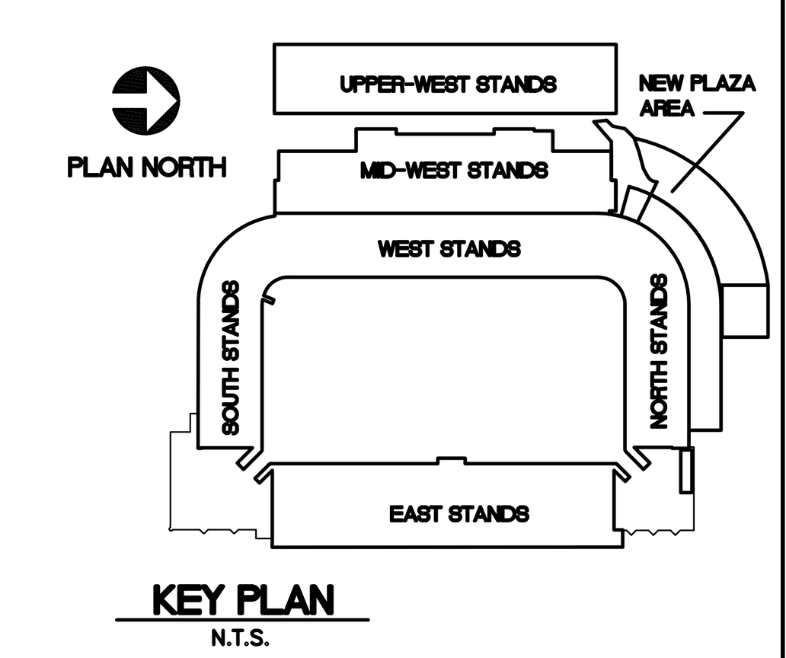
SCALE : 3" = 1'-0"

NOTE:
IN CASE OF BOLT RELOCATION, OLD BOLT IS TO BE ENTIRELY REMOVED AS PER DETAIL 1A/A4-02. HOLE IS TO BE PATCHED AS PER SD REPAIRS ON DWG A4-01.



(1B / A4-02) NEW STANCHION BOLT INSTALLATION DETAIL

SCALE : 3" = 1'-0"



KEY PLAN
N.T.S.

STATE OF NEW YORK
029383

US Army Corps of Engineers
New York District

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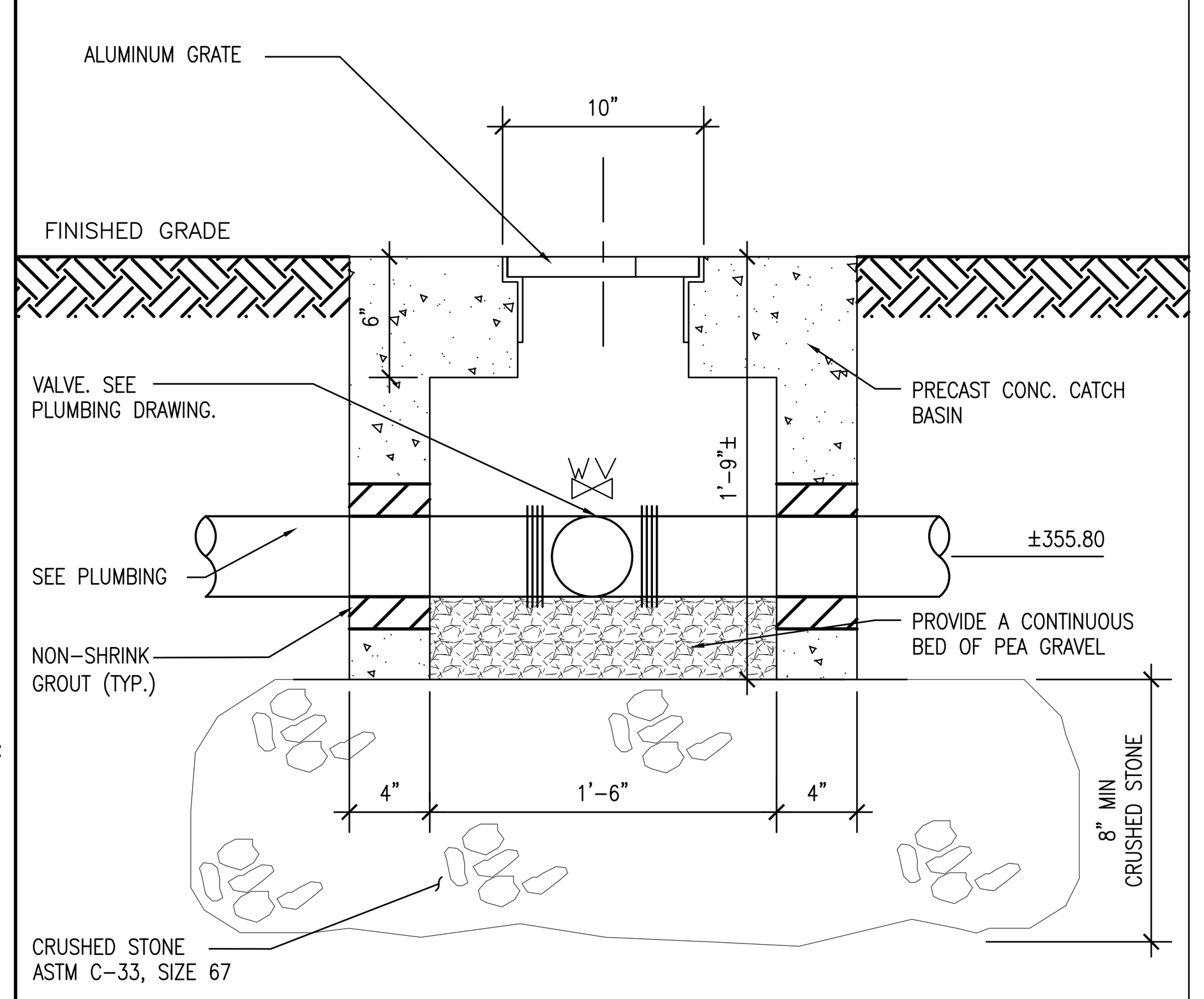
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK

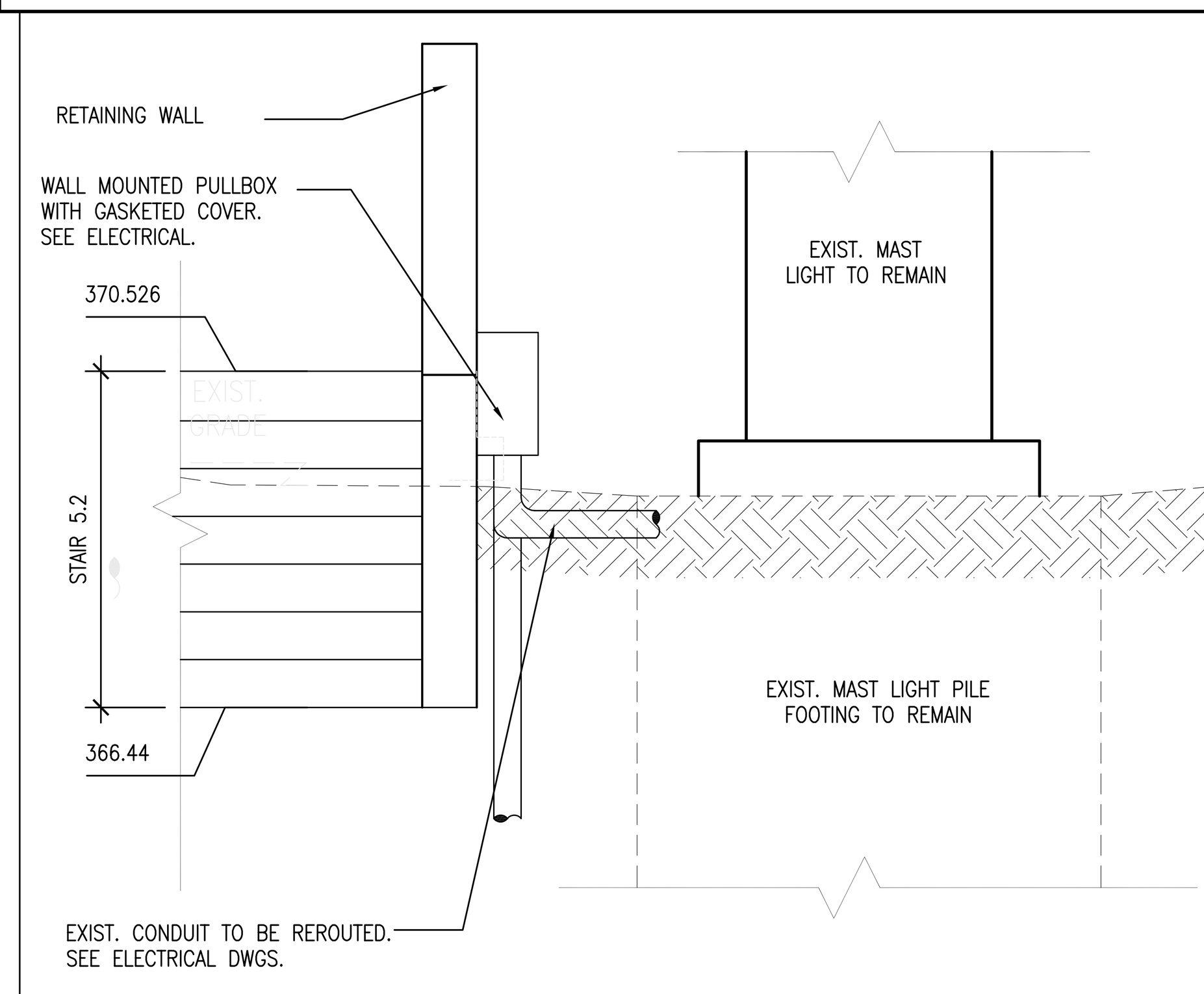
RESTORATION DETAILS:
TYPICAL CONCRETE DETAILS, SHEET 2

DRAWING
A4-02
21 OF 37



1 A5-01 VALVE BOX

SCALE : 1 1/2" = 1'-0"

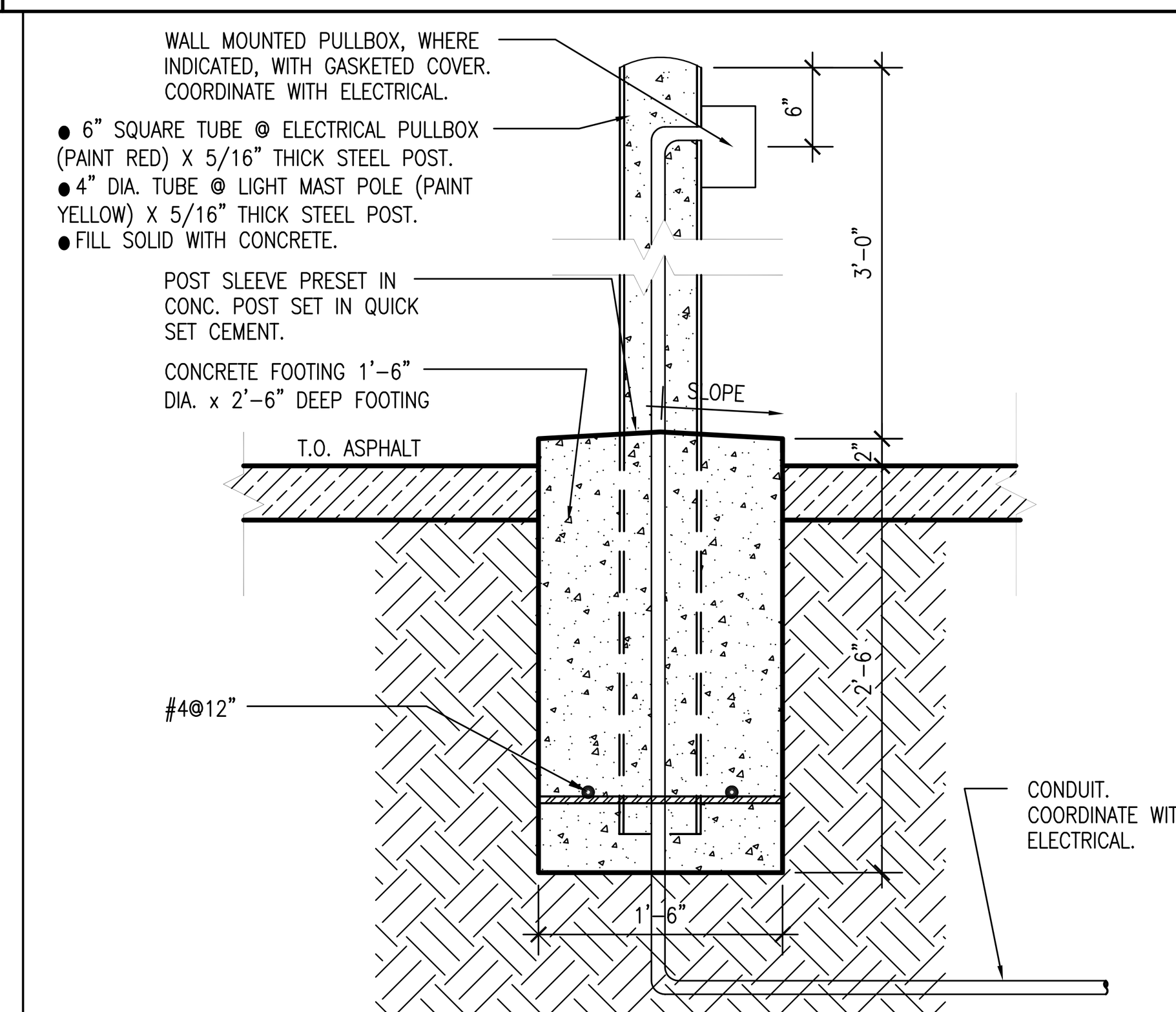


2 A5-01 WALL MOUNTED PULLBOX SECTION

SCALE : 1/2" = 1'-0"

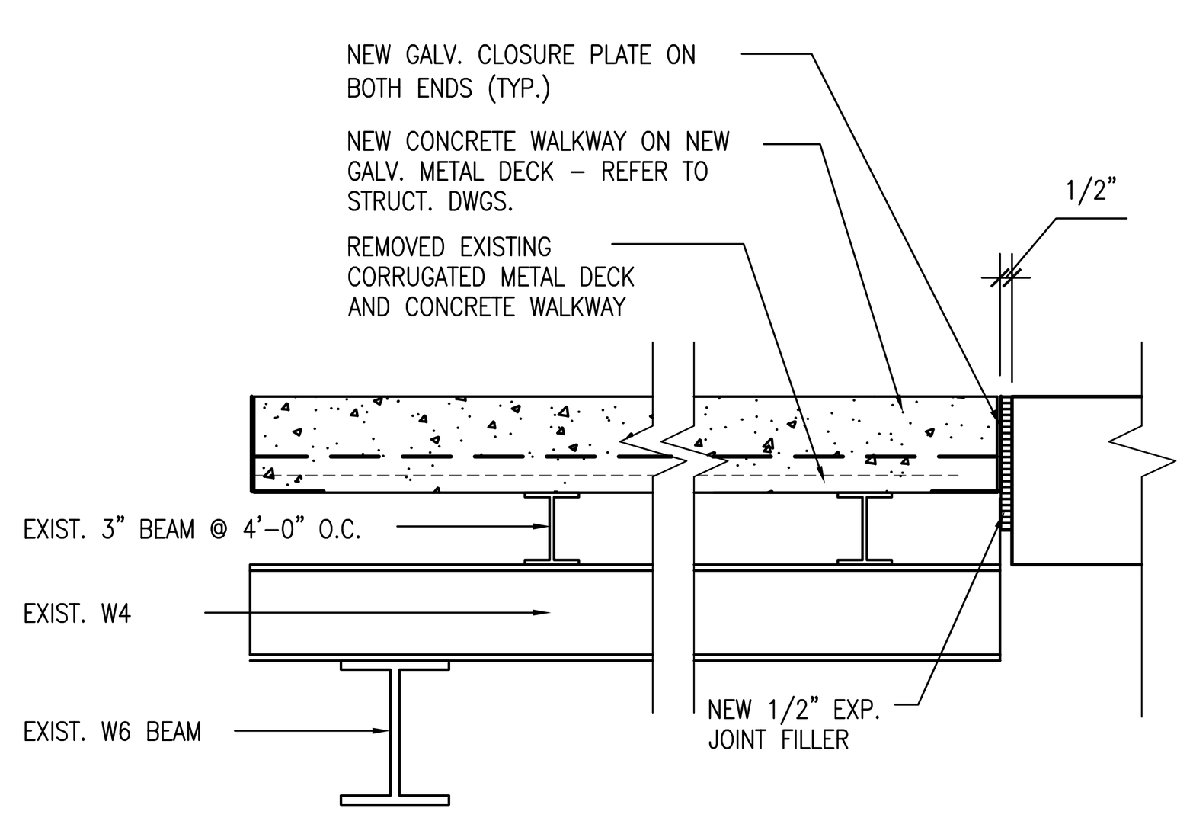
3 A5-01 NOT USED

SCALE : 1/2" = 1'-0"



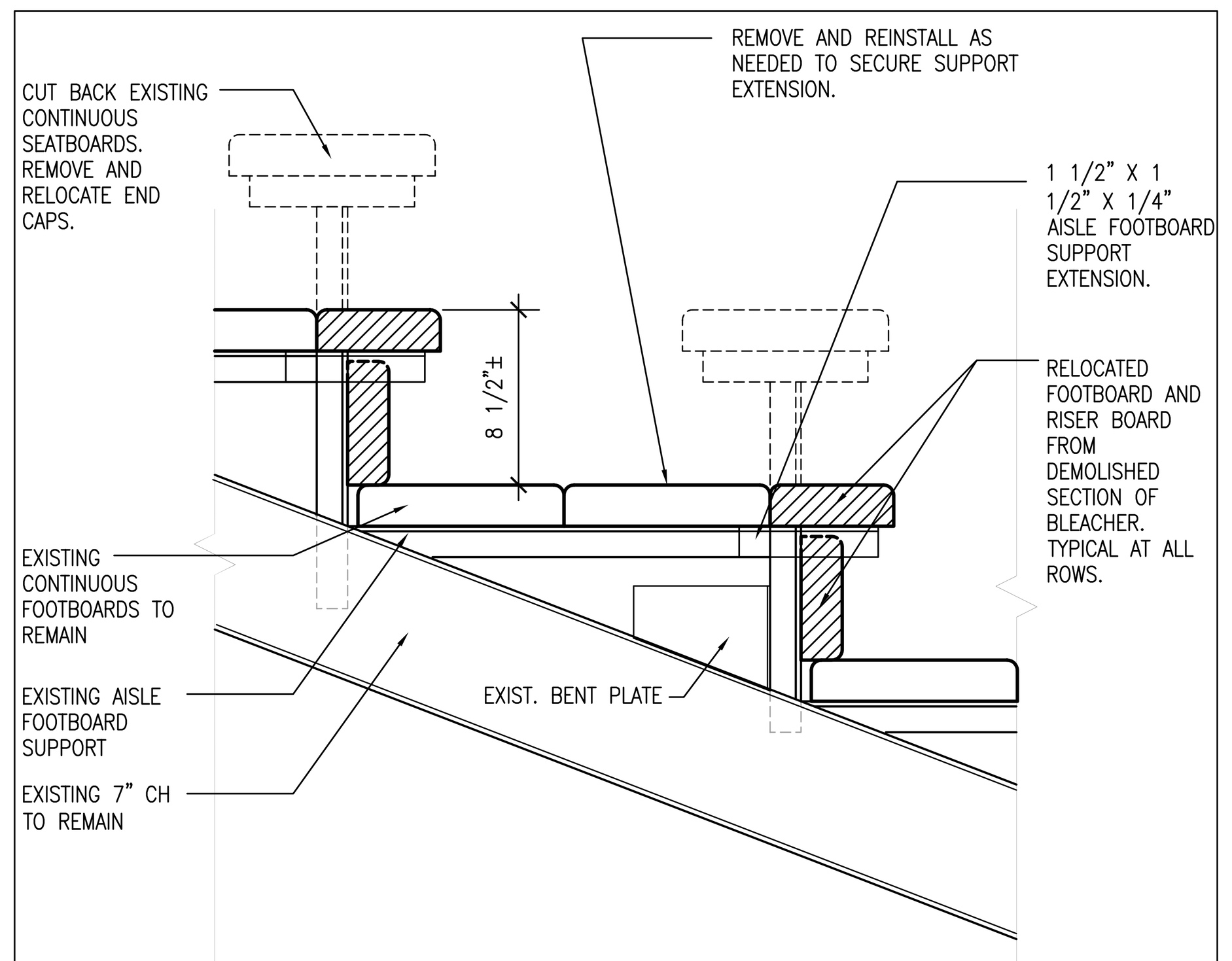
4 A5-01 BOLLARD DETAIL

SCALE : 1" = 1'-0"



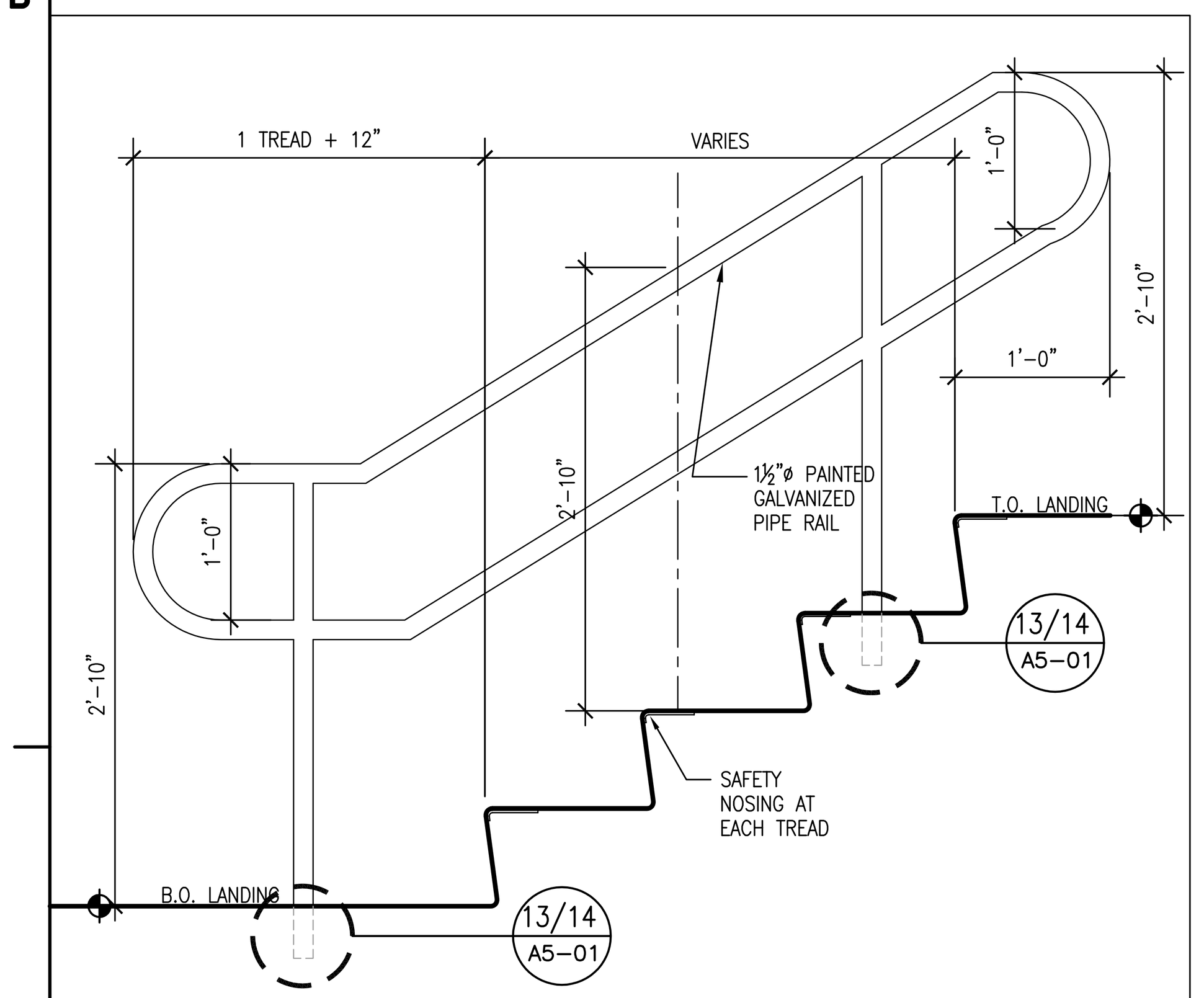
6 A5-01 DETAIL AT CONCRETE WALKWAY

SCALE : 1 1/2" = 1'-0"



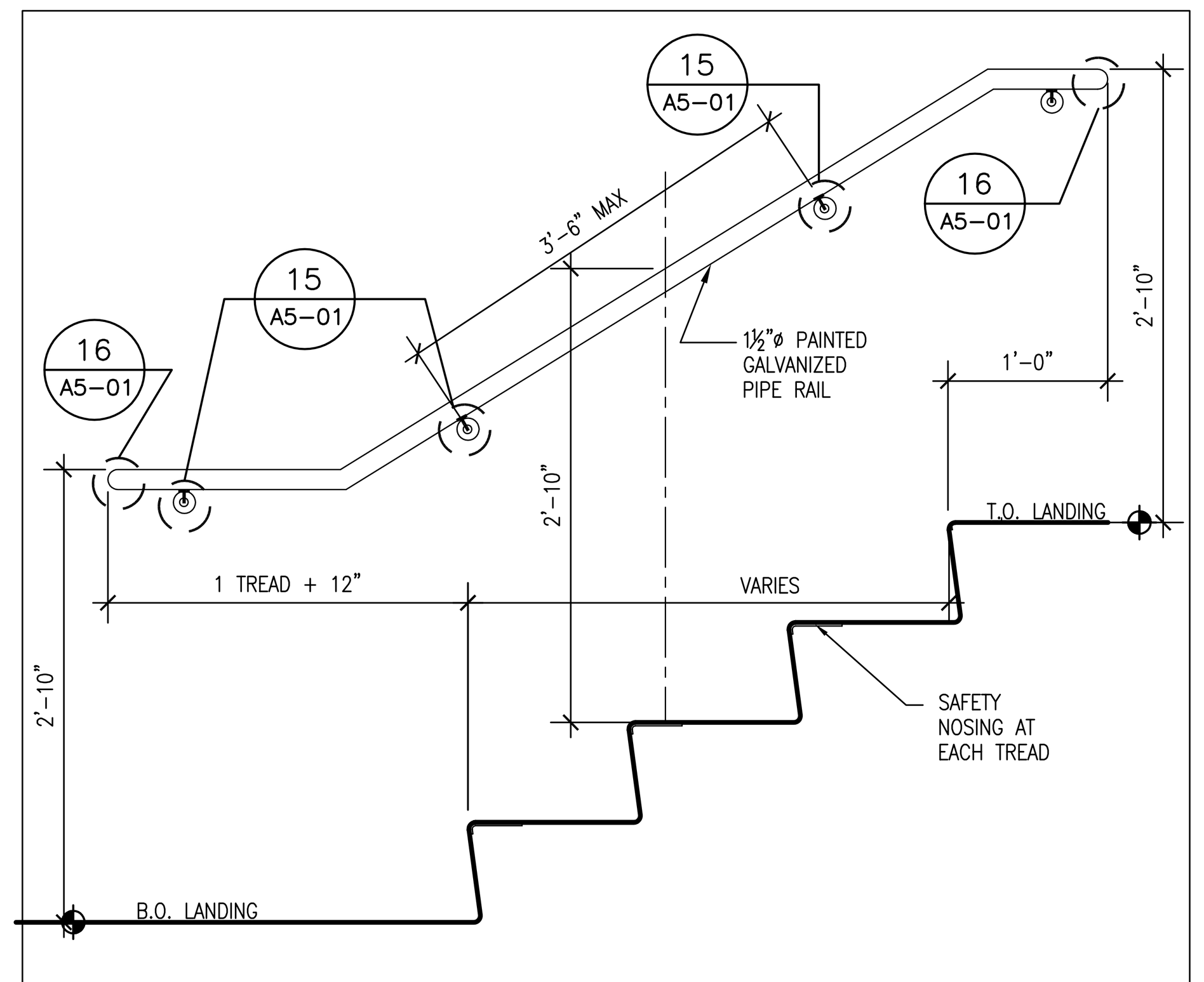
7 A5-01 DETAIL AT BLEACHER @ NEW VERTICAL AISLE

SCALE : 1 1/2" = 1'-0"



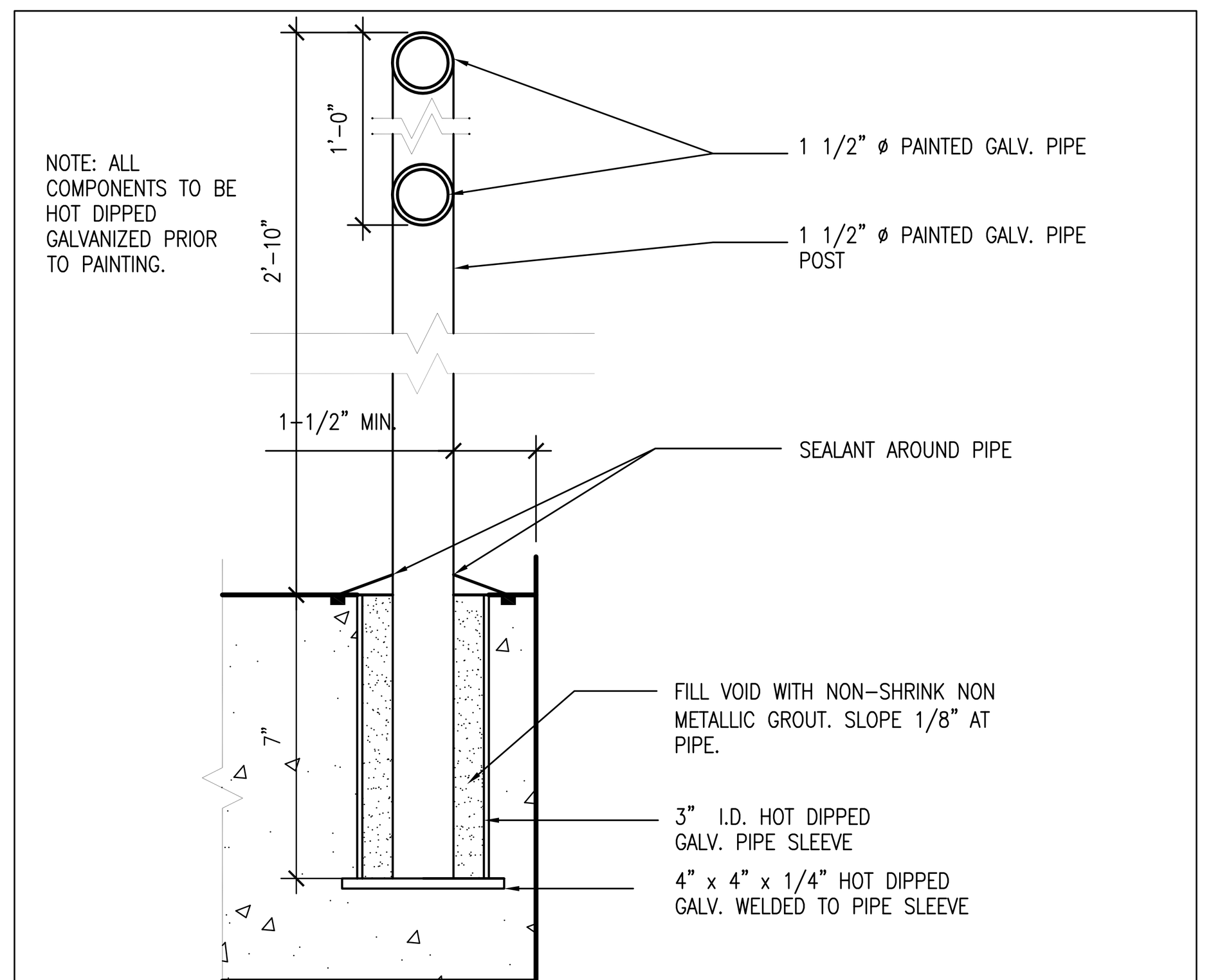
12 A5-01 HANDRAIL ELEVATION @ WALL

SCALE : 1" = 1'-0"



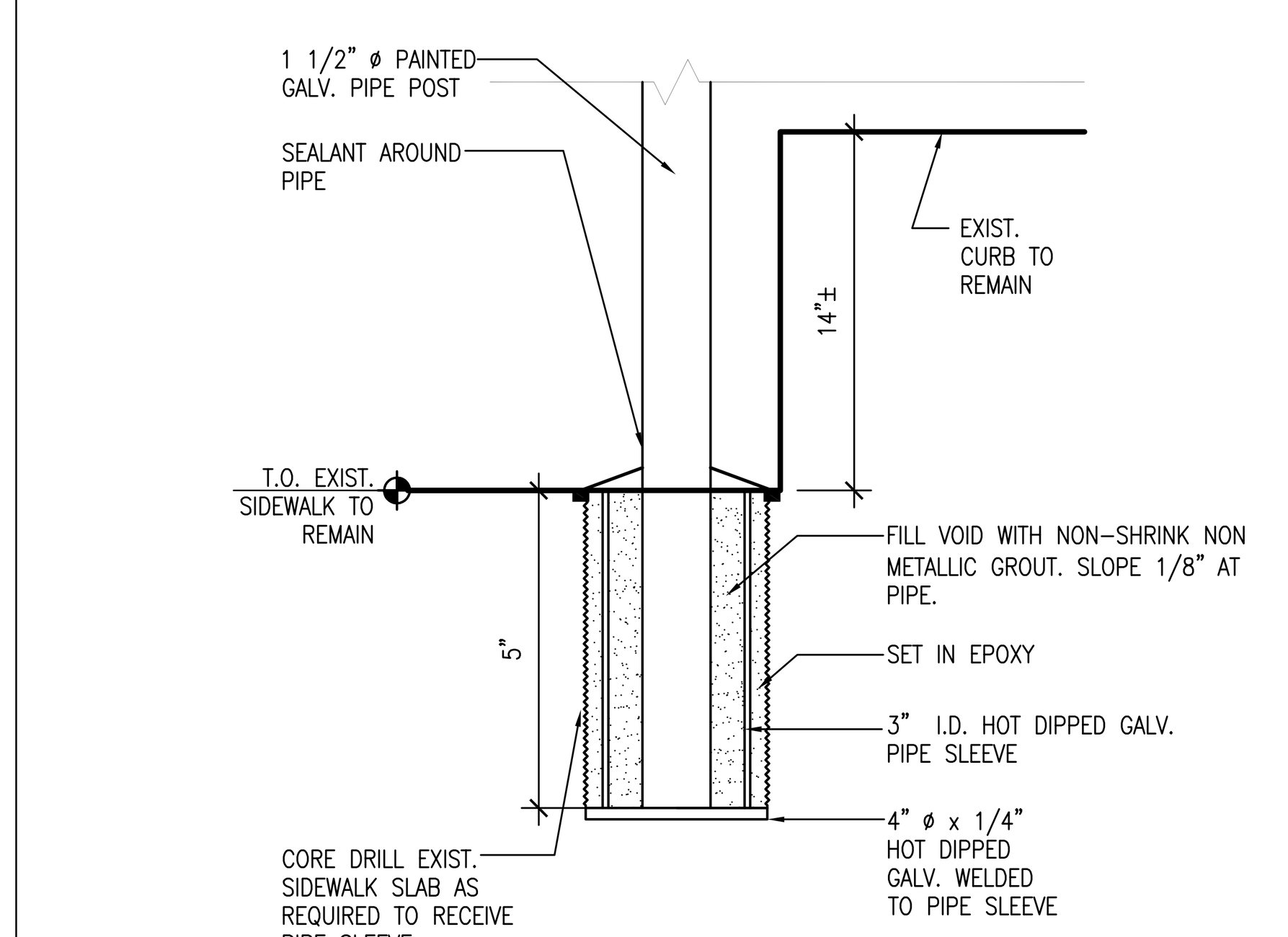
12 A5-01 HANDRAIL ELEVATION @ WALL

SCALE : 1" = 1'-0"



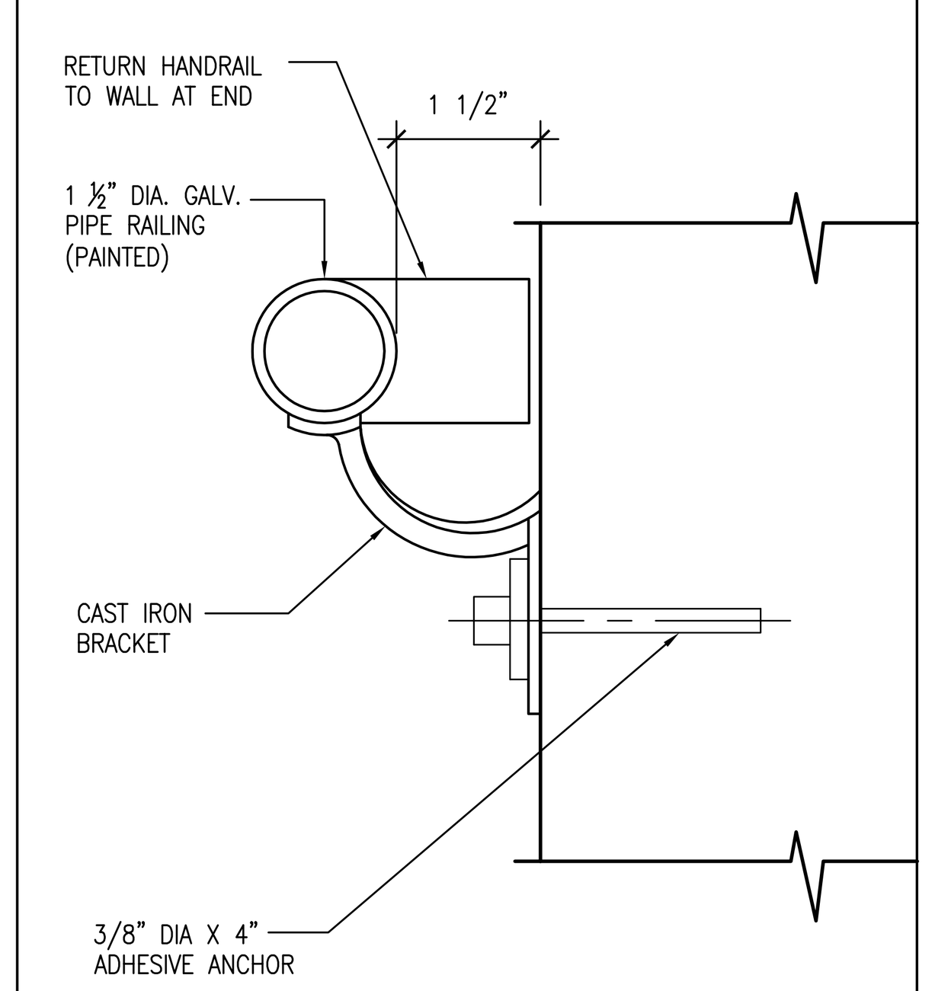
13 A5-01 STAIR HANDRAIL @ NEW CONCRETE

SCALE : 3" = 1'-0"



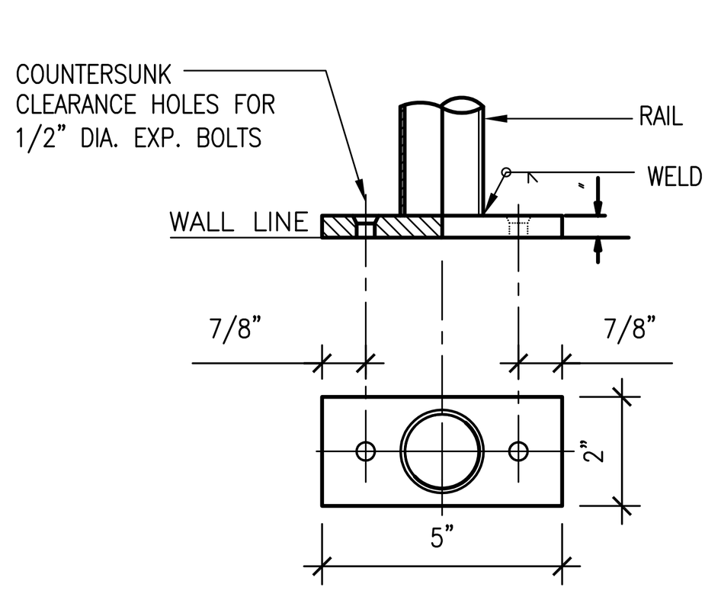
14 A5-01 PIPE SLEEVE DTL @ EXIST. CONCRETE

SCALE : 3" = 1'-0"



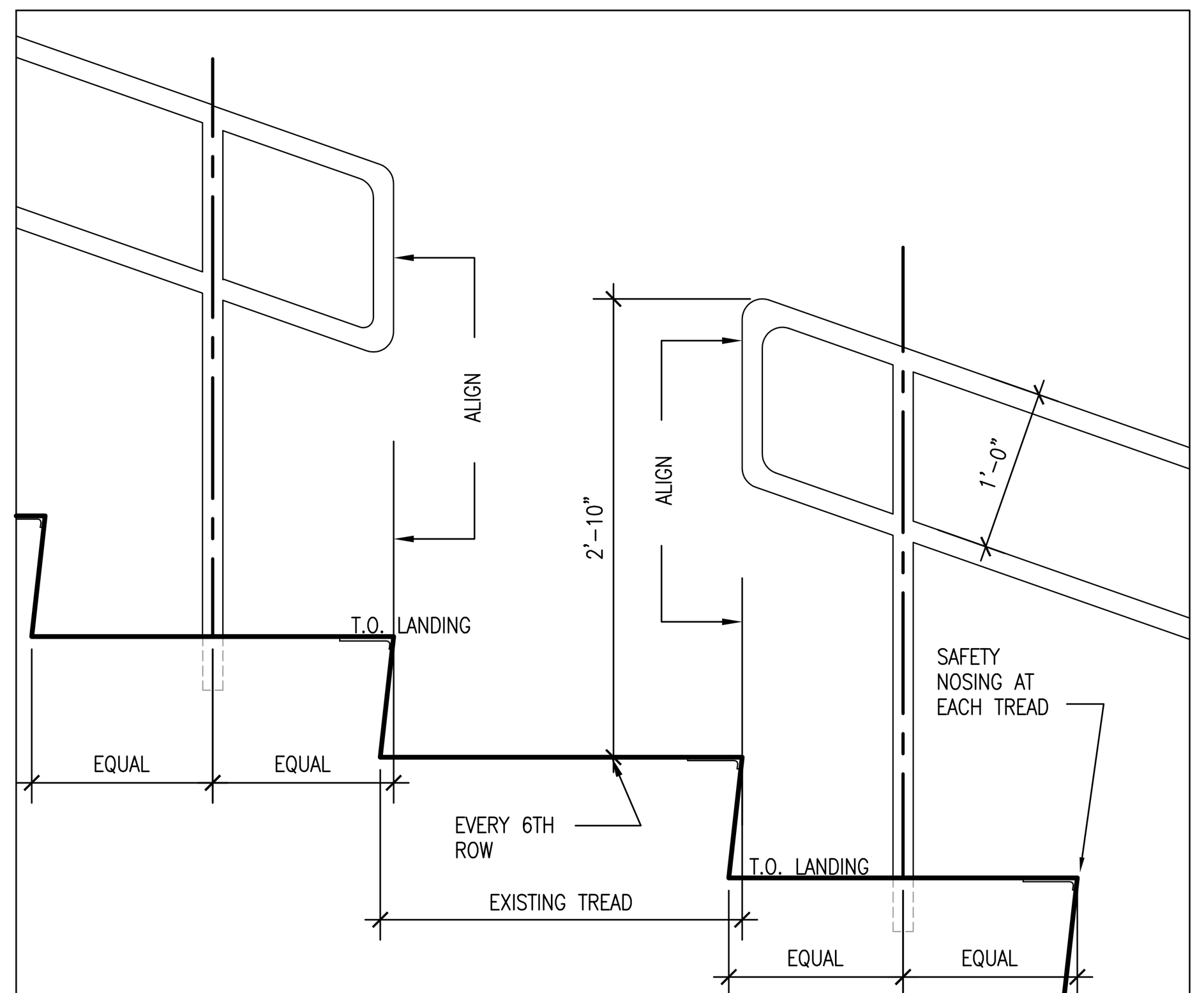
15 A5-01 WALL HANDRAIL BRACKET DETAILS

SCALE : 6" = 1'-0"



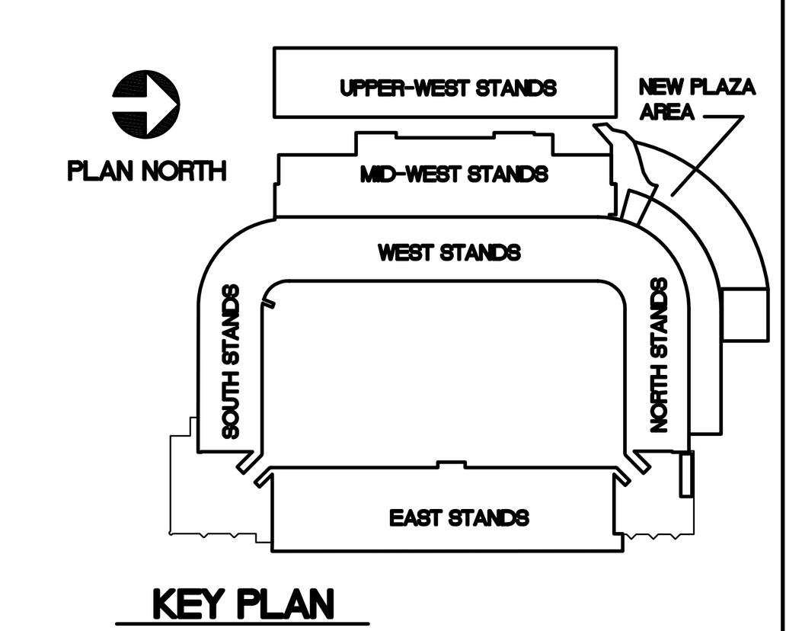
16 A5-01 PIPE SLEEVE DTL @ WALL RETURN

SCALE : 3" = 1'-0"



17 A5-01 HANDRAIL ELEVATION @ MID AISLE BREAK

SCALE : 1" = 1'-0"



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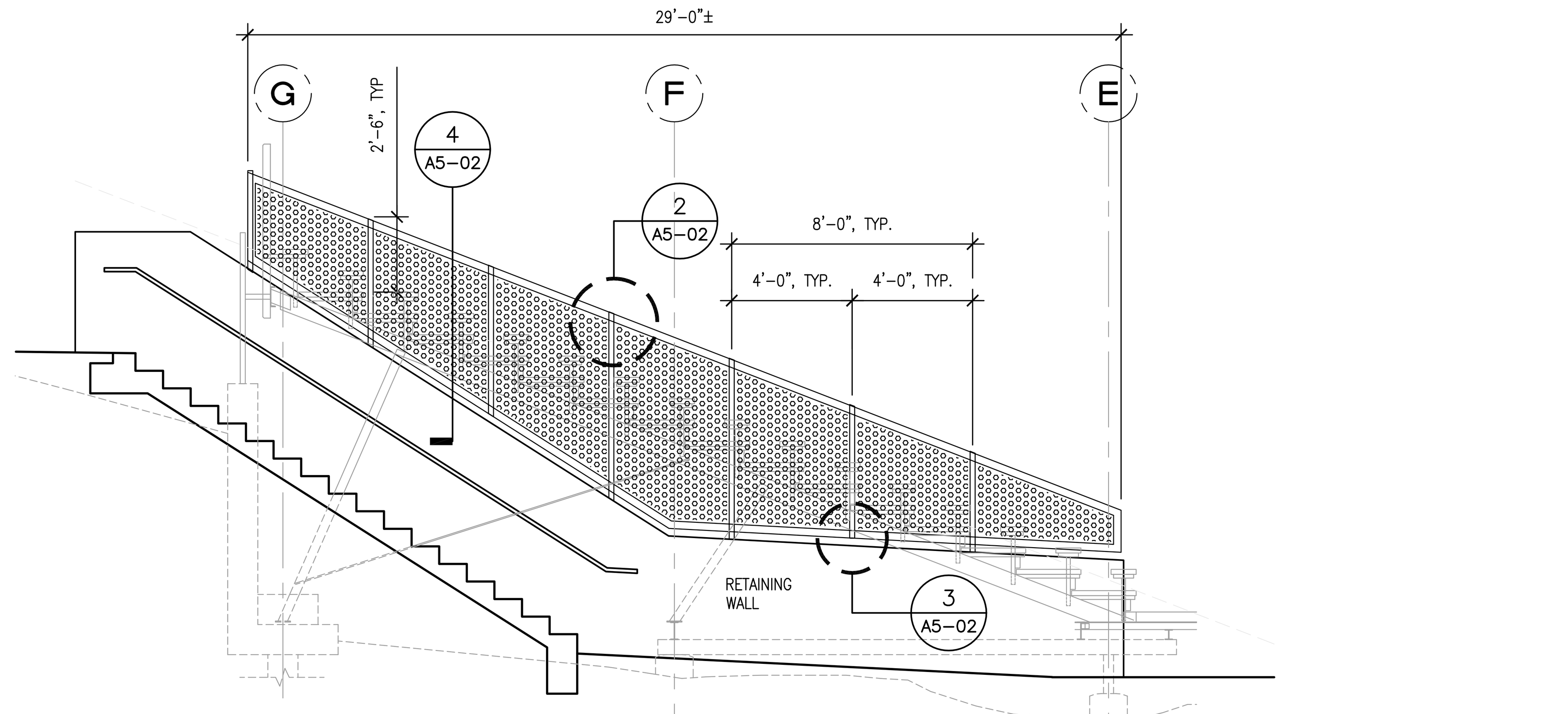
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK

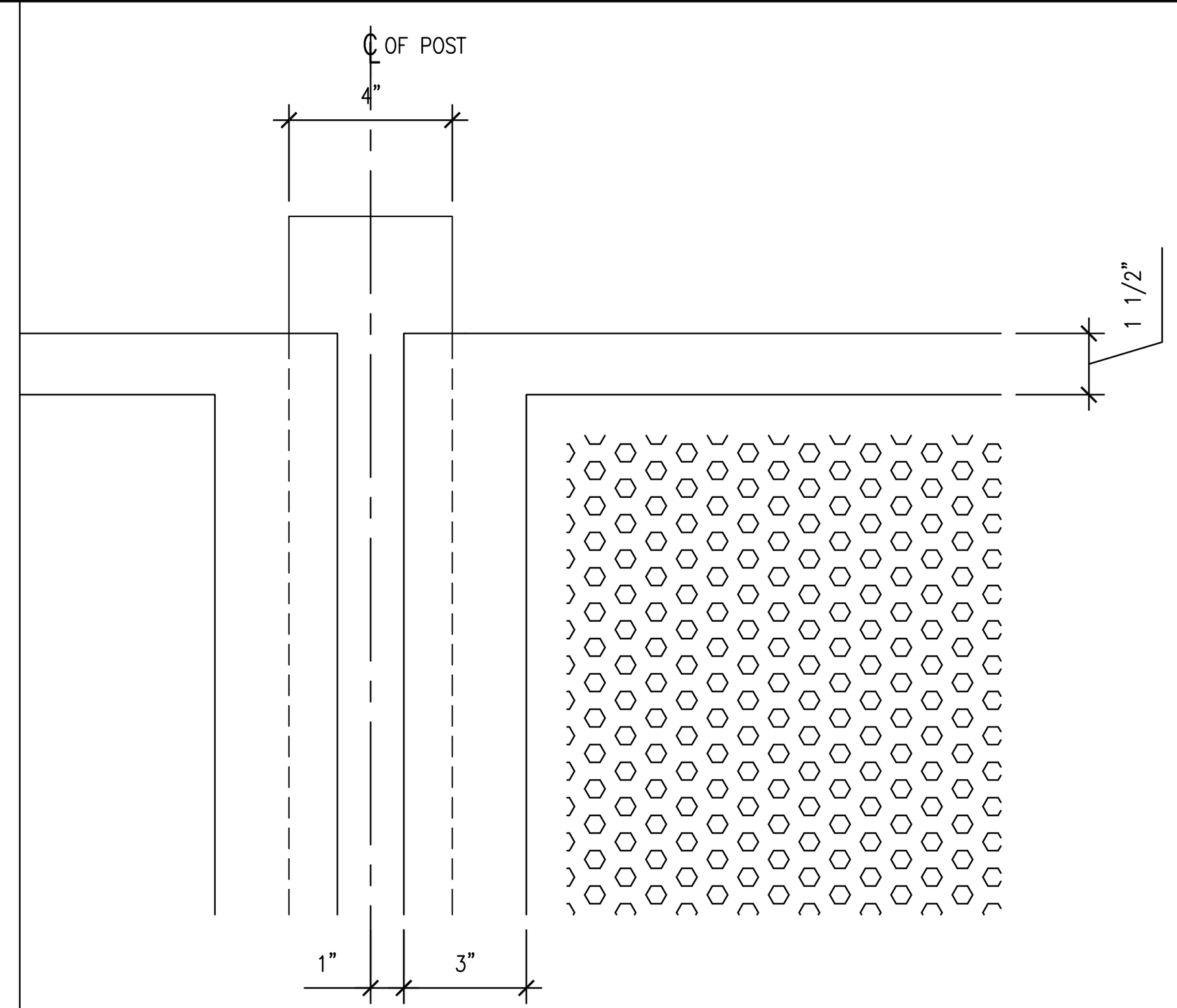
DETAILS:
MISCELLANEOUS

DRAWING
A5-01



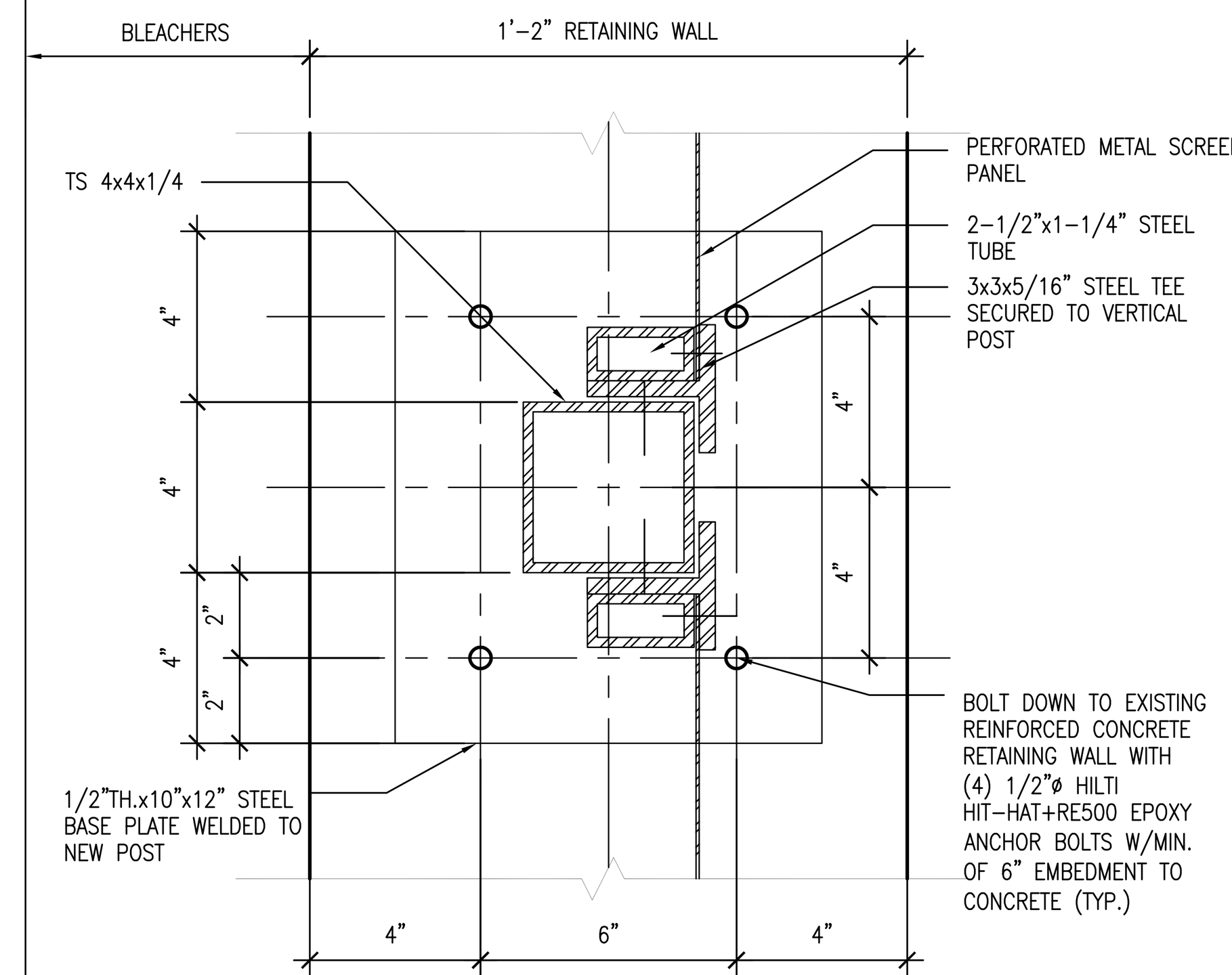
1/A5-02 PERFORATED SCREEN ELEVATION

SCALE : 1/4" = 1'-0"



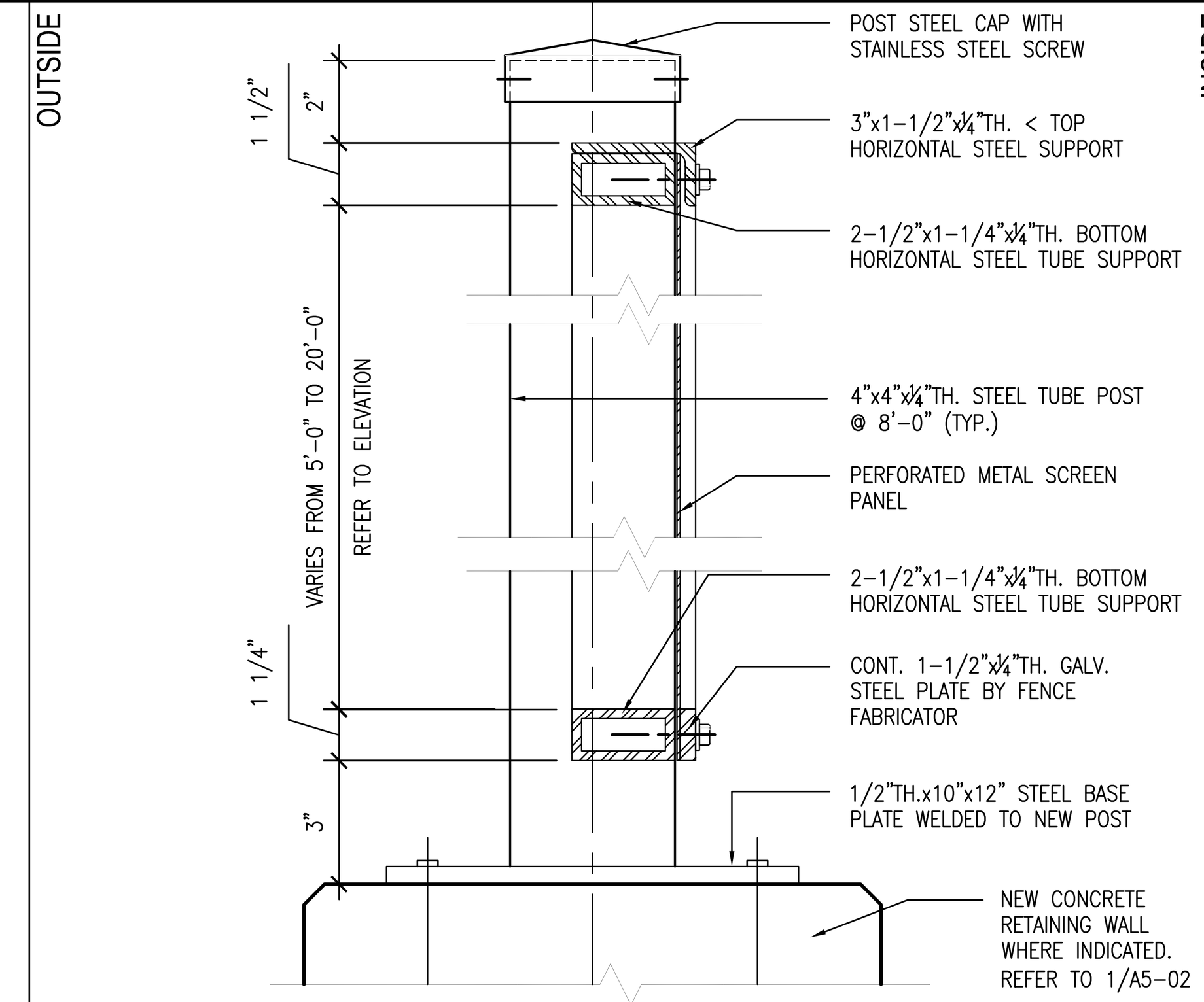
2/A5-02 SCREEN DETAIL ENLARGED ELEVATION

SCALE : 3" = 1'-0"



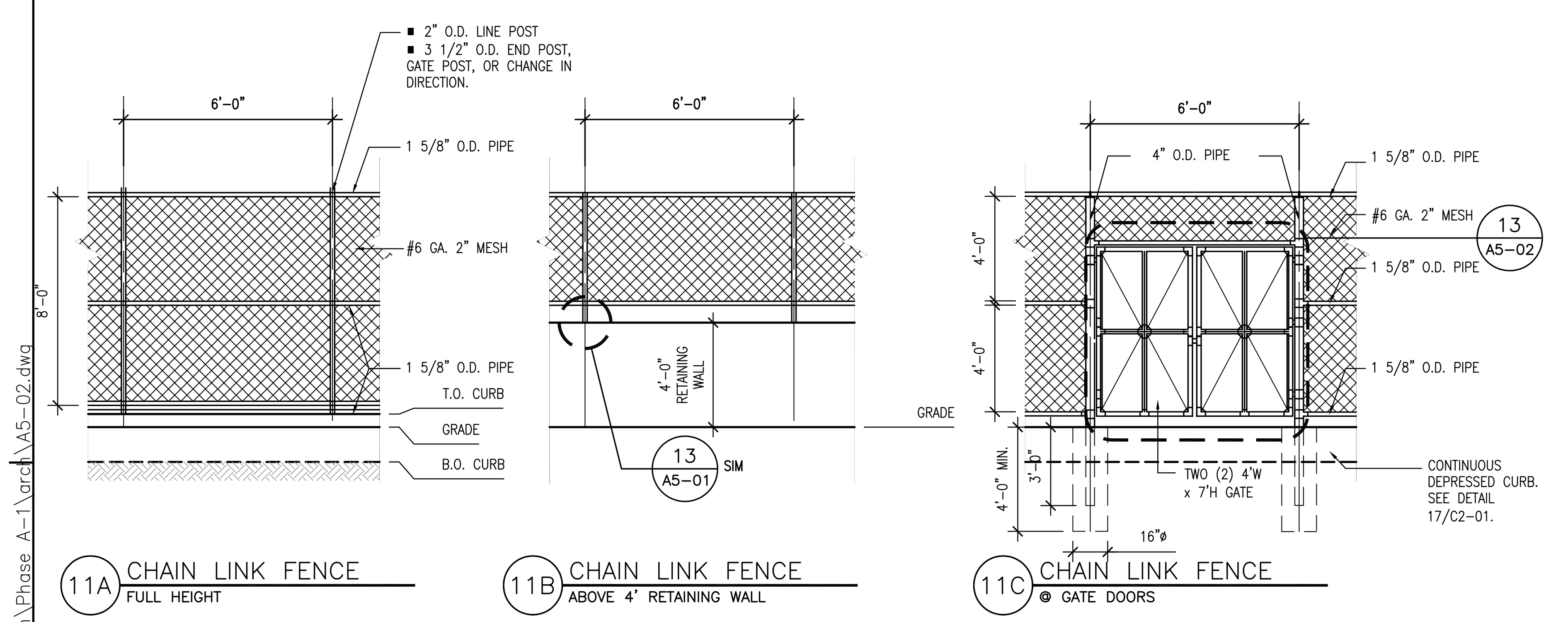
3/A5-02 SCREEN PLAN DETAIL

SCALE : 3" = 1'-0"



4/A5-02 SECTION AT SCREEN

SCALE : 3" = 1'-0"



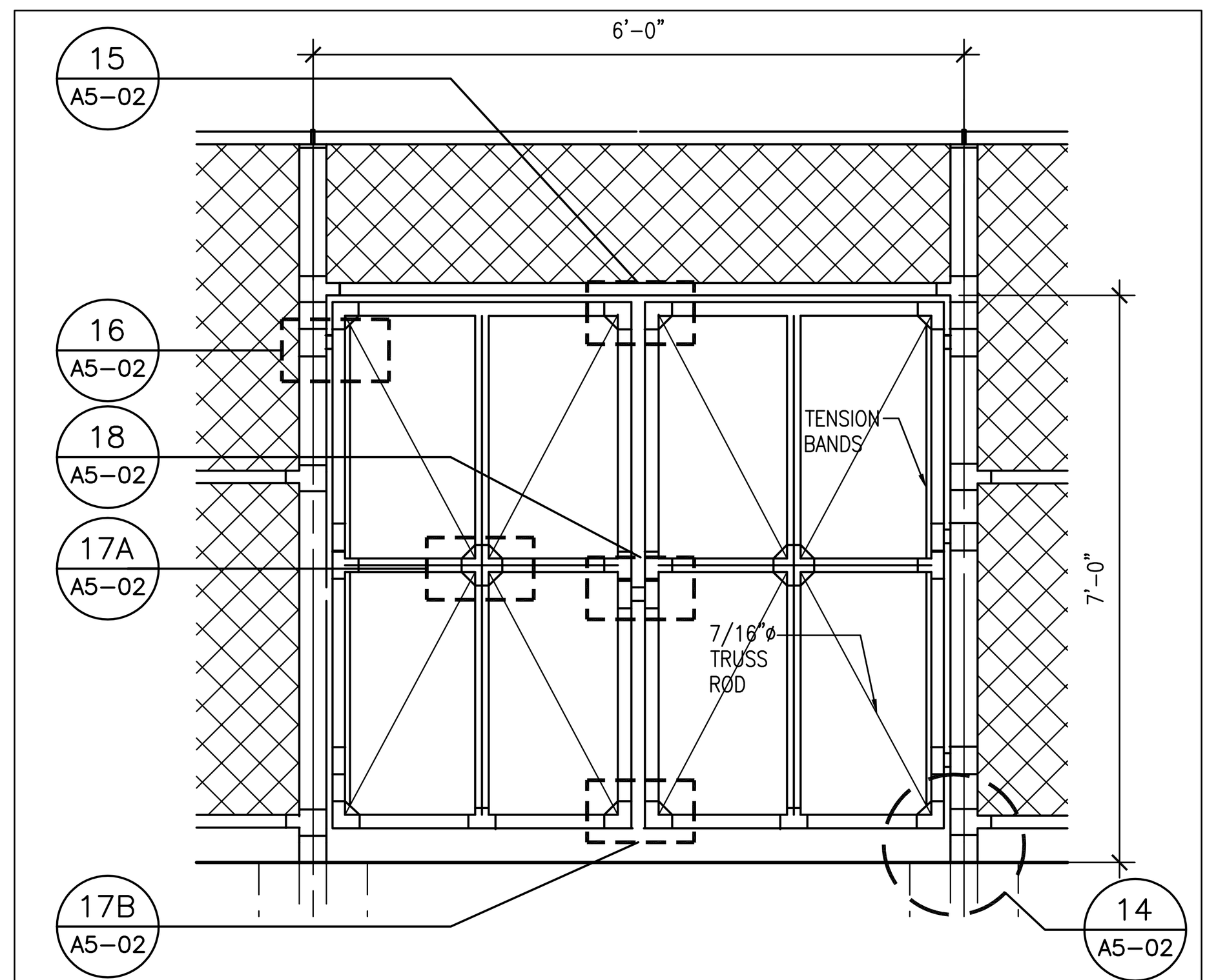
11A CHAIN LINK FENCE FULL HEIGHT

11B CHAIN LINK FENCE ABOVE 4' RETAINING WALL

11C CHAIN LINK FENCE @ GATE DOORS

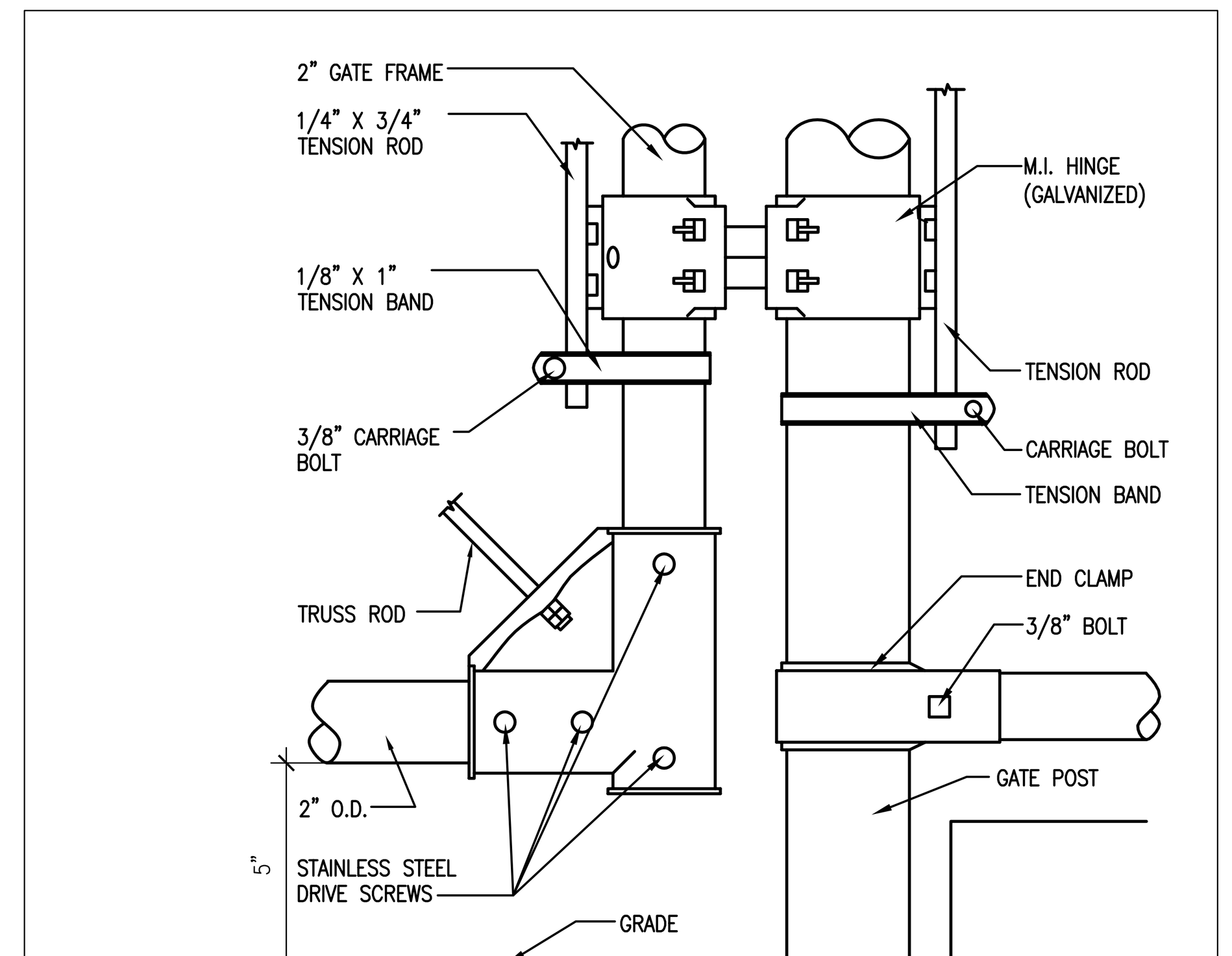
11/A5-02 CHAIN LINK FENCE DETAIL TYPICAL ELEVATION

SCALE : 1/4" = 1'-0"



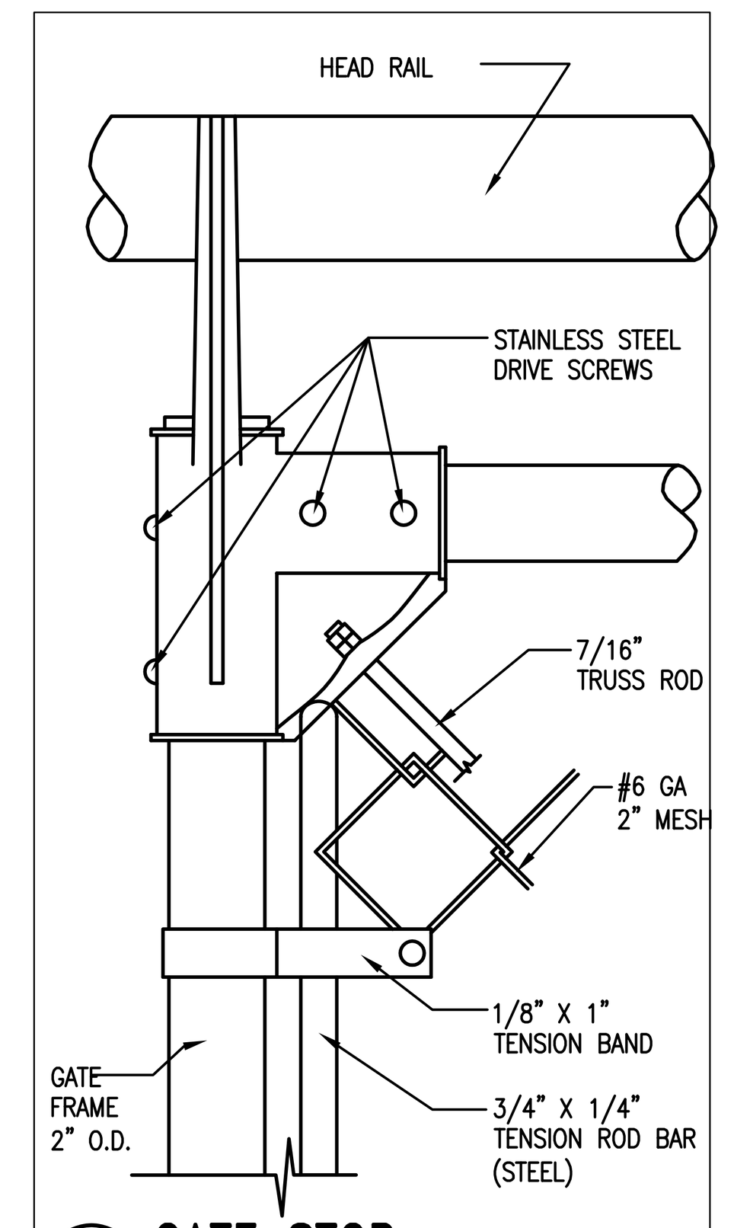
13/A5-02 CHAIN LINK FENCE ELEVATION DOUBLE DOOR

SCALE : 1/2" = 1'-0"



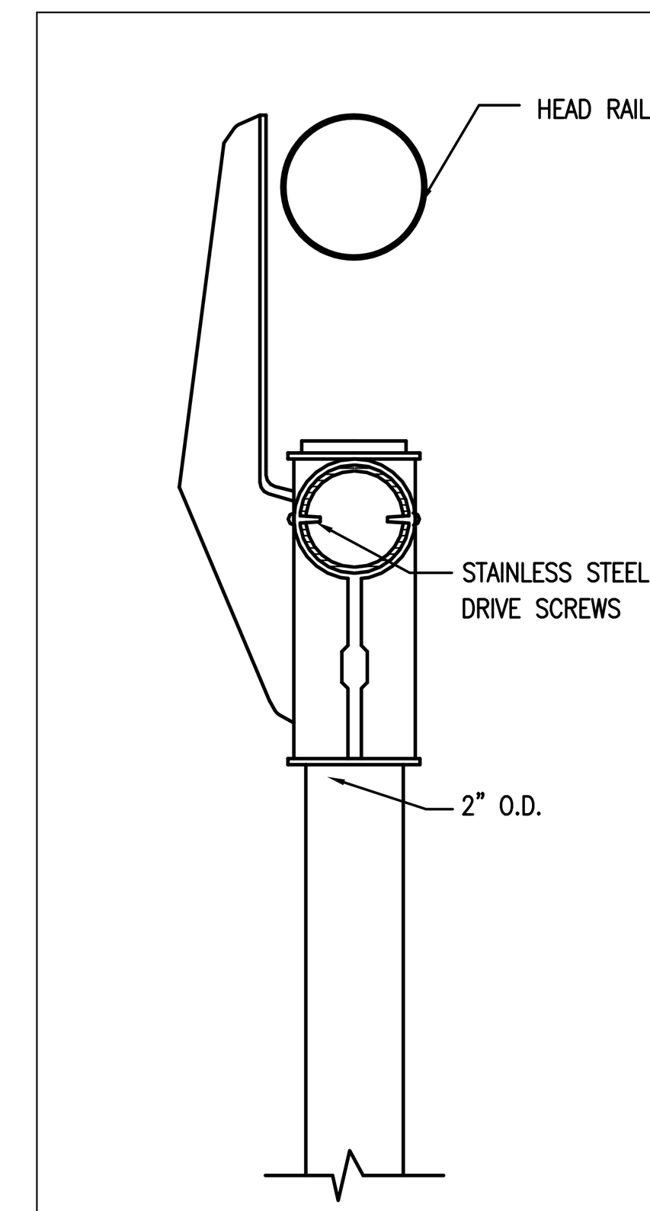
14/A5-02 LOWER HINGE

SCALE : 3" = 1'-0"



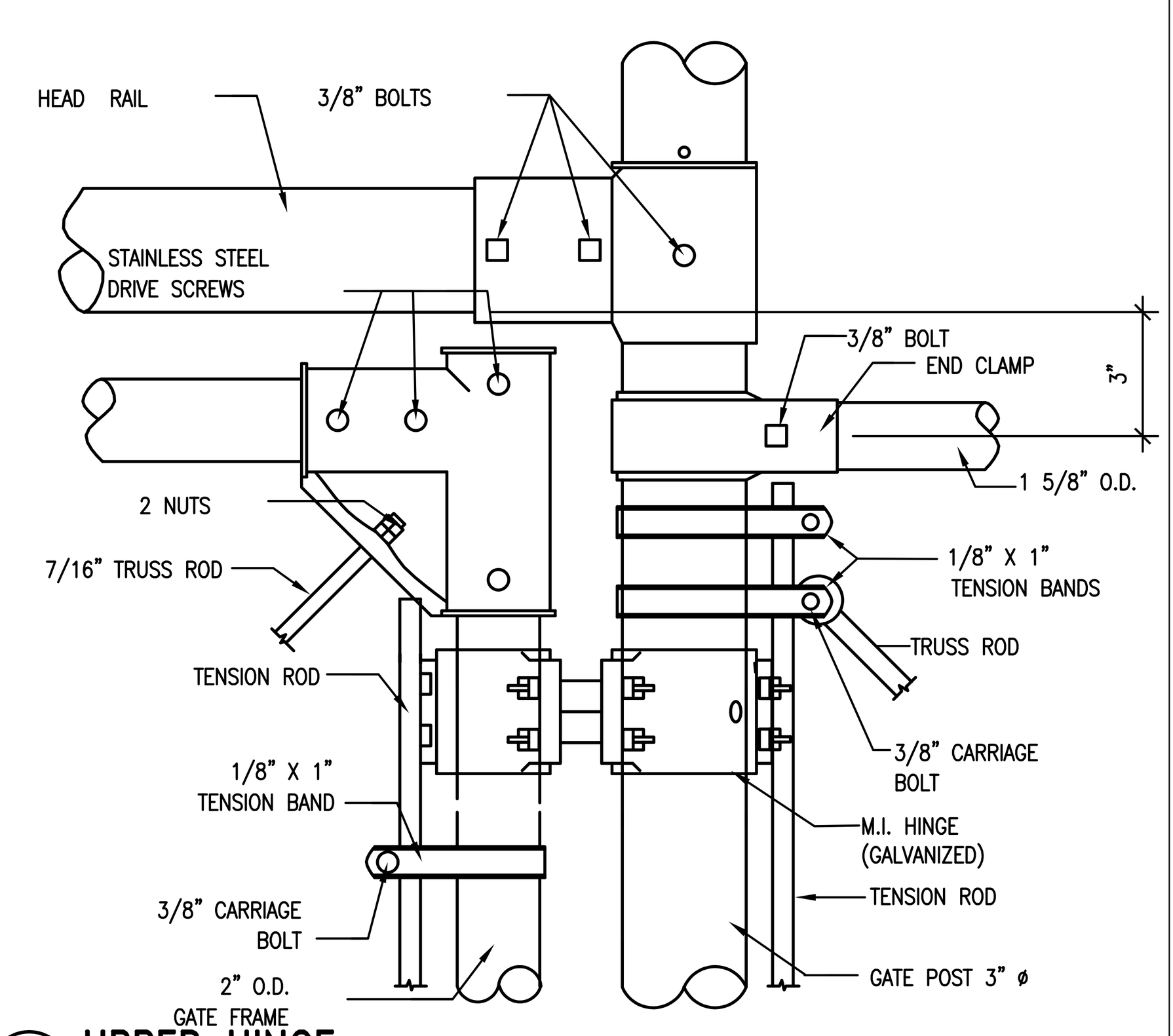
15A/A5-02 GATE STOP ELEVATION

SCALE : 3" = 1'-0"



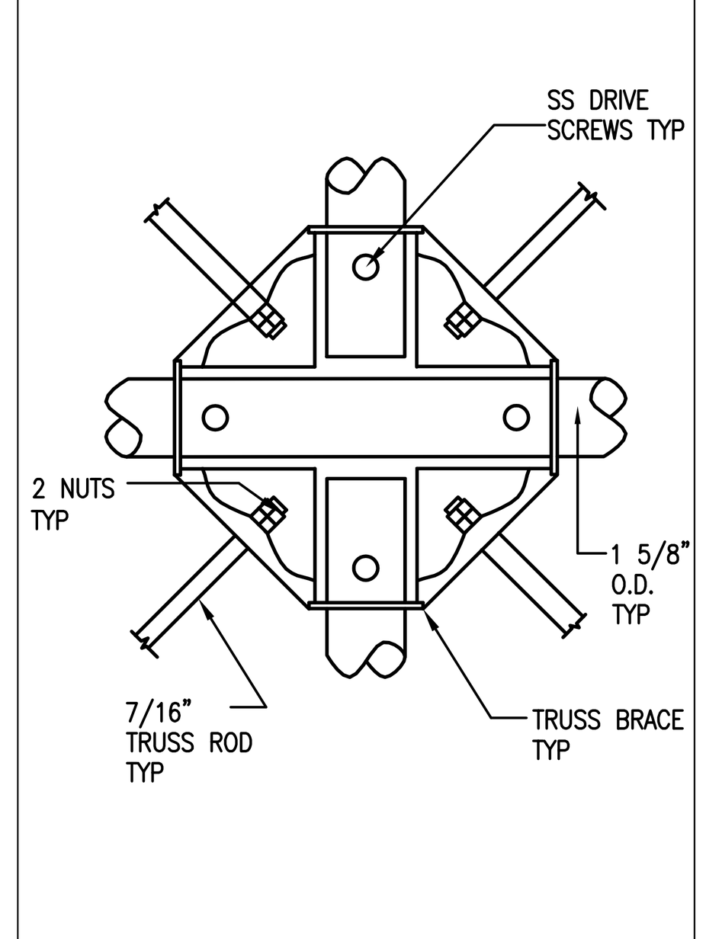
15B/A5-02 GATE STOP SECTION

SCALE : 3" = 1'-0"



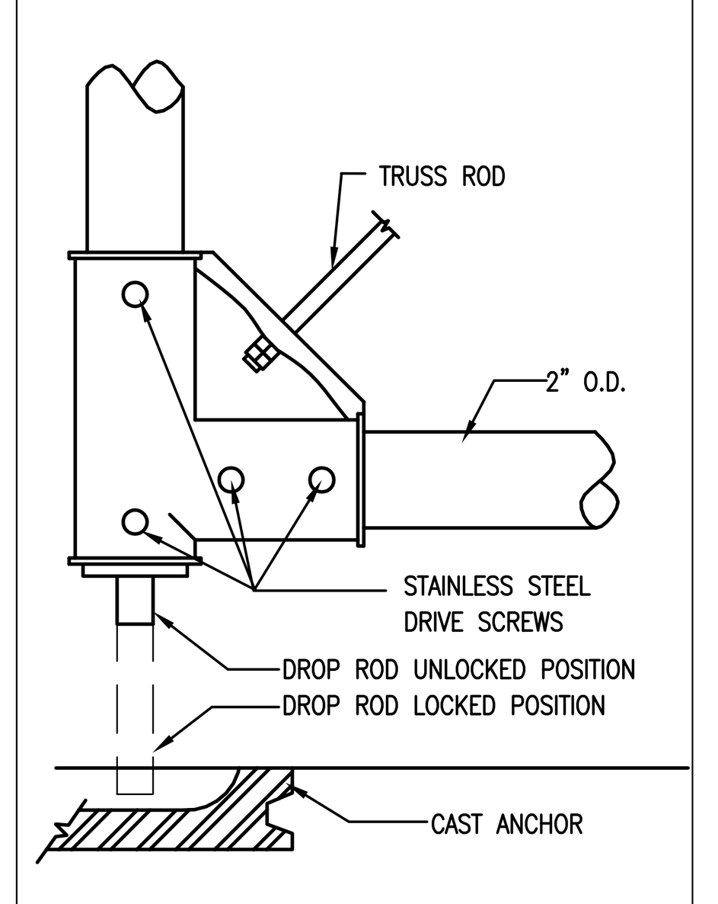
16/A5-02 UPPER HINGE

SCALE : 3" = 1'-0"



17A/A5-02 TRUSS BRACE

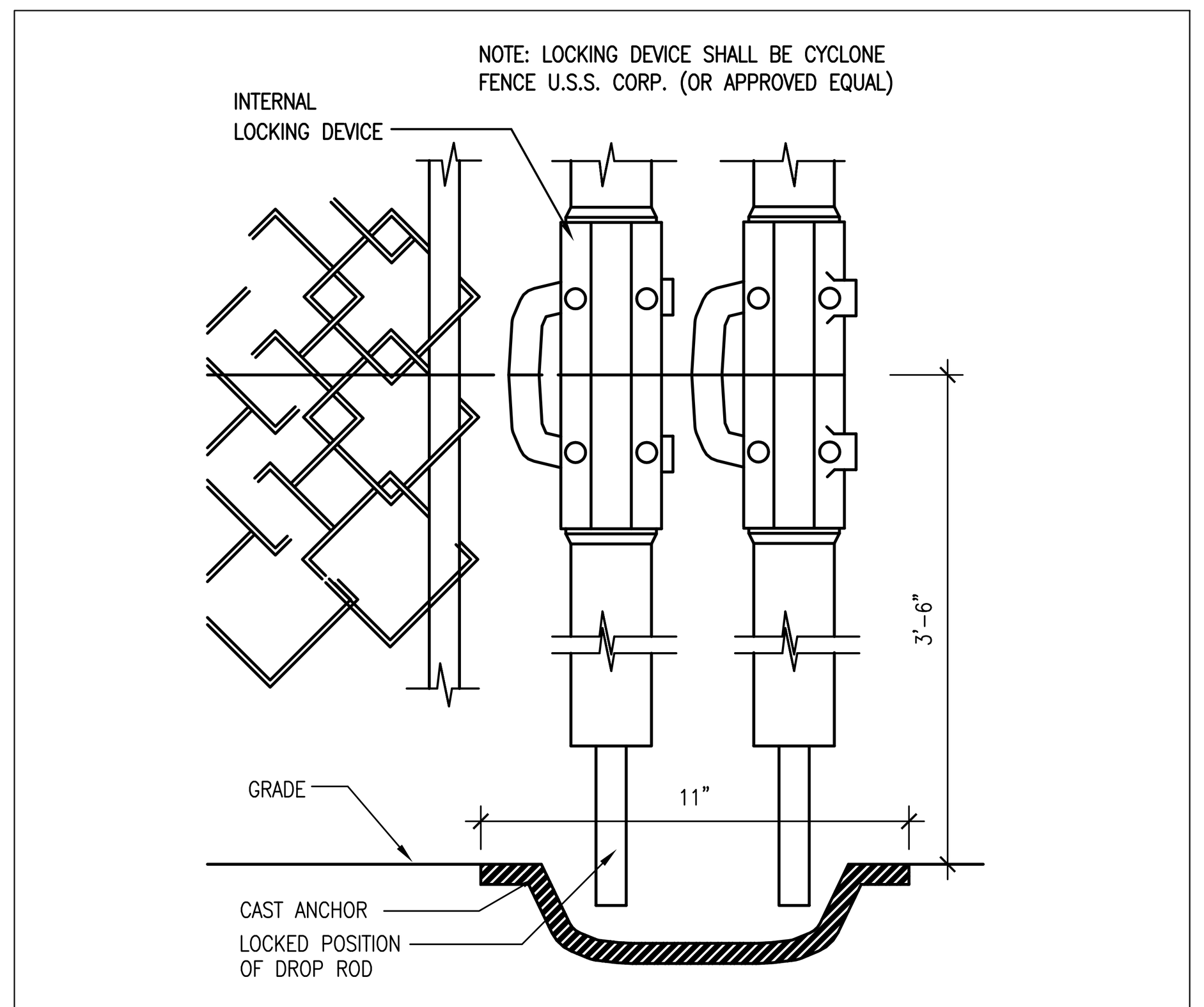
SCALE : 3" = 1'-0"



17B/A5-02 DROP ROD

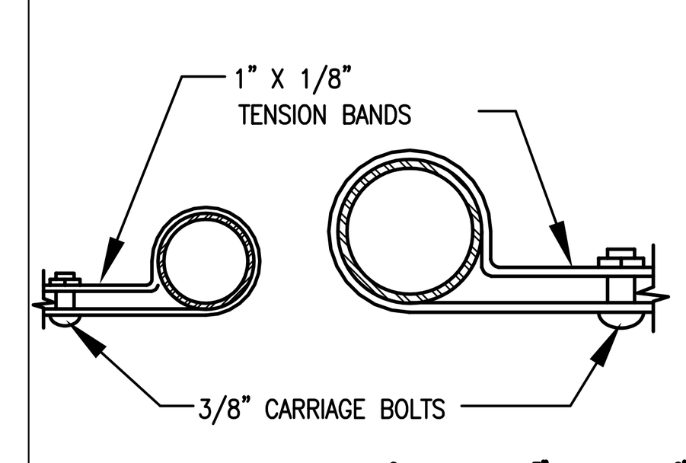
SCALE : 3" = 1'-0"

NOTE: LOCKING DEVICE SHALL BE CYCLONE FENCE U.S.S. CORP. (OR APPROVED EQUAL)



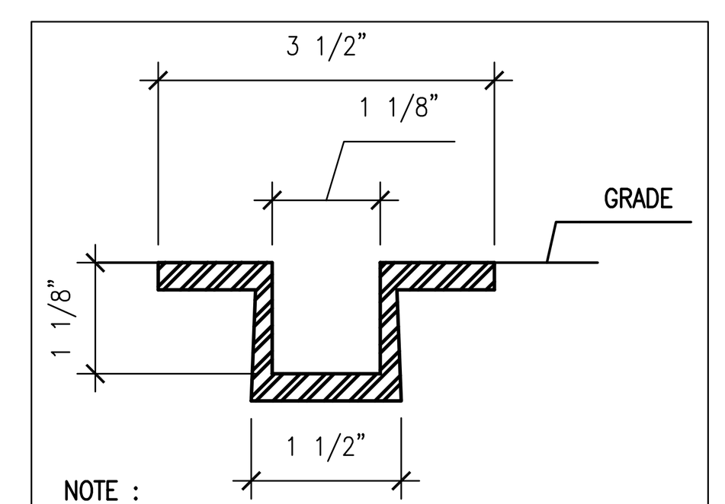
18/A5-02 LOCKING DEVICE

SCALE : 3" = 1'-0"



SCALE : 3" = 1'-0"

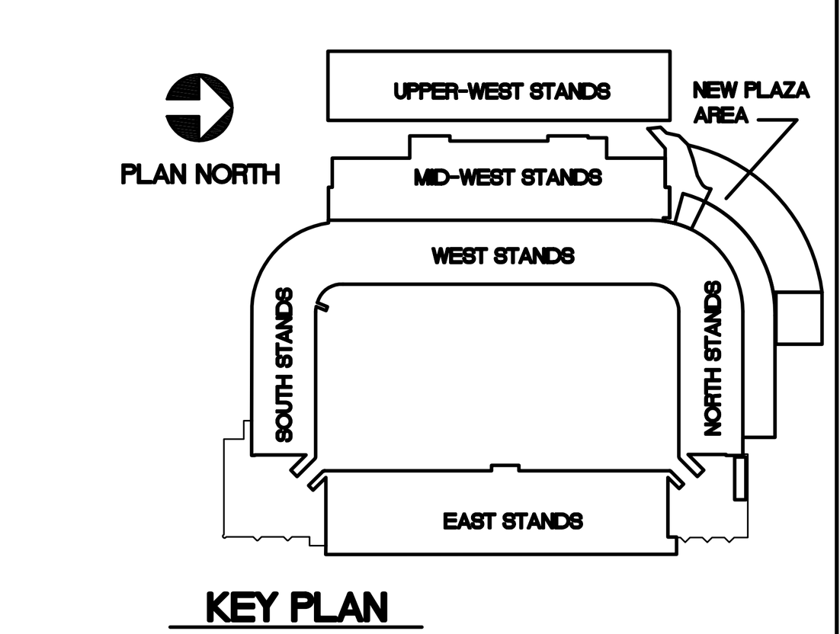
19A/A5-02 TENSION MEMBERS PLAN



NOTE : PROVIDE ONE 11" LONG ANCHOR AT CLOSED GATE POSITION PROVIDE TWO 5" LONG ANCHORS AT MAX OPEN POSITIONS

19B/A5-02 DROP ROD CAST ANCHOR CROSS SECTION

SCALE : 6" = 1'-0"



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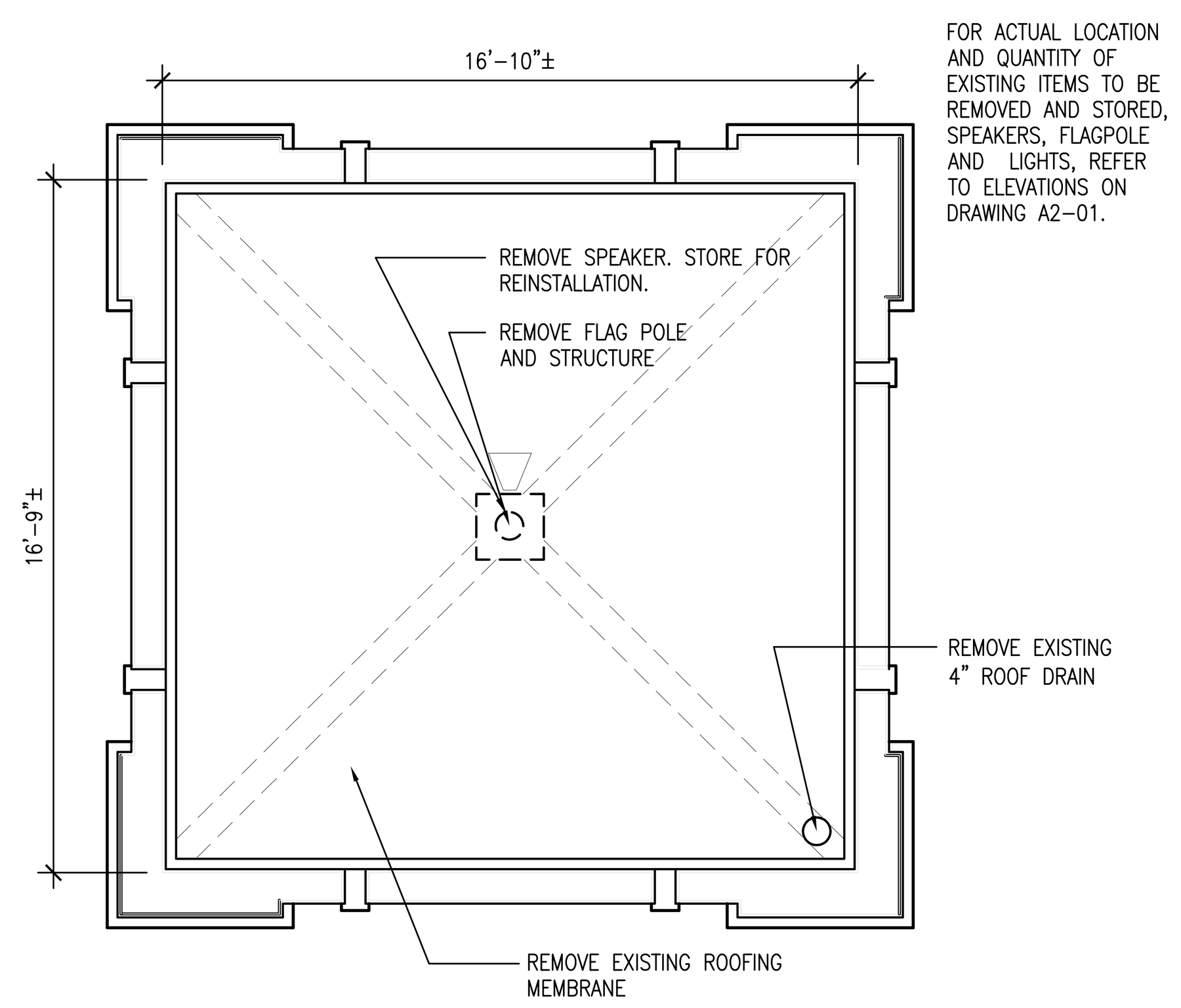
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA - STONY LONESOME ROAD WEST POINT, NEW YORK

DETAILS:
PERFORATED METAL FENCE; CHAIN LINK FENCE;

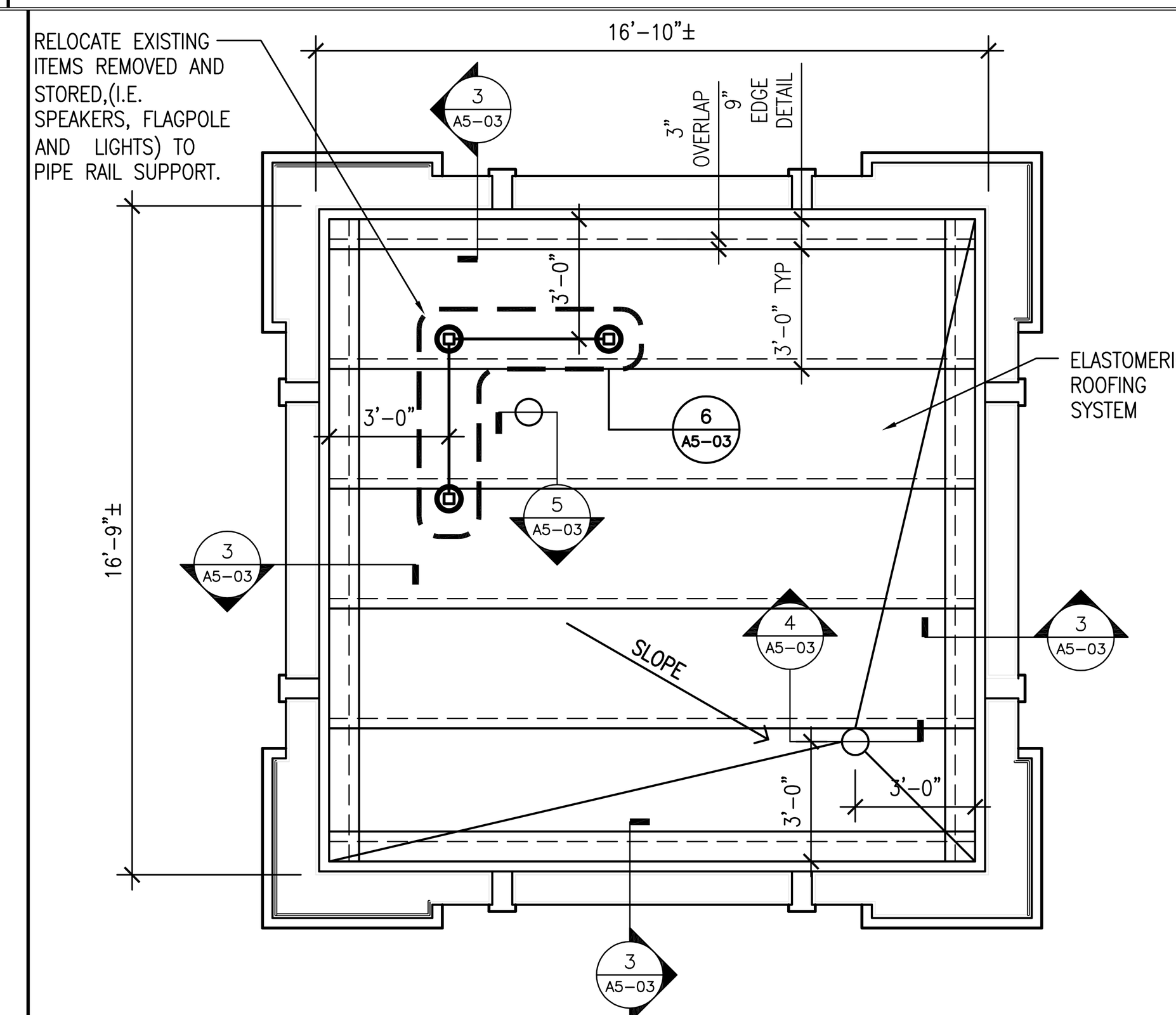
DRAWING
A5-02

23 OF 37

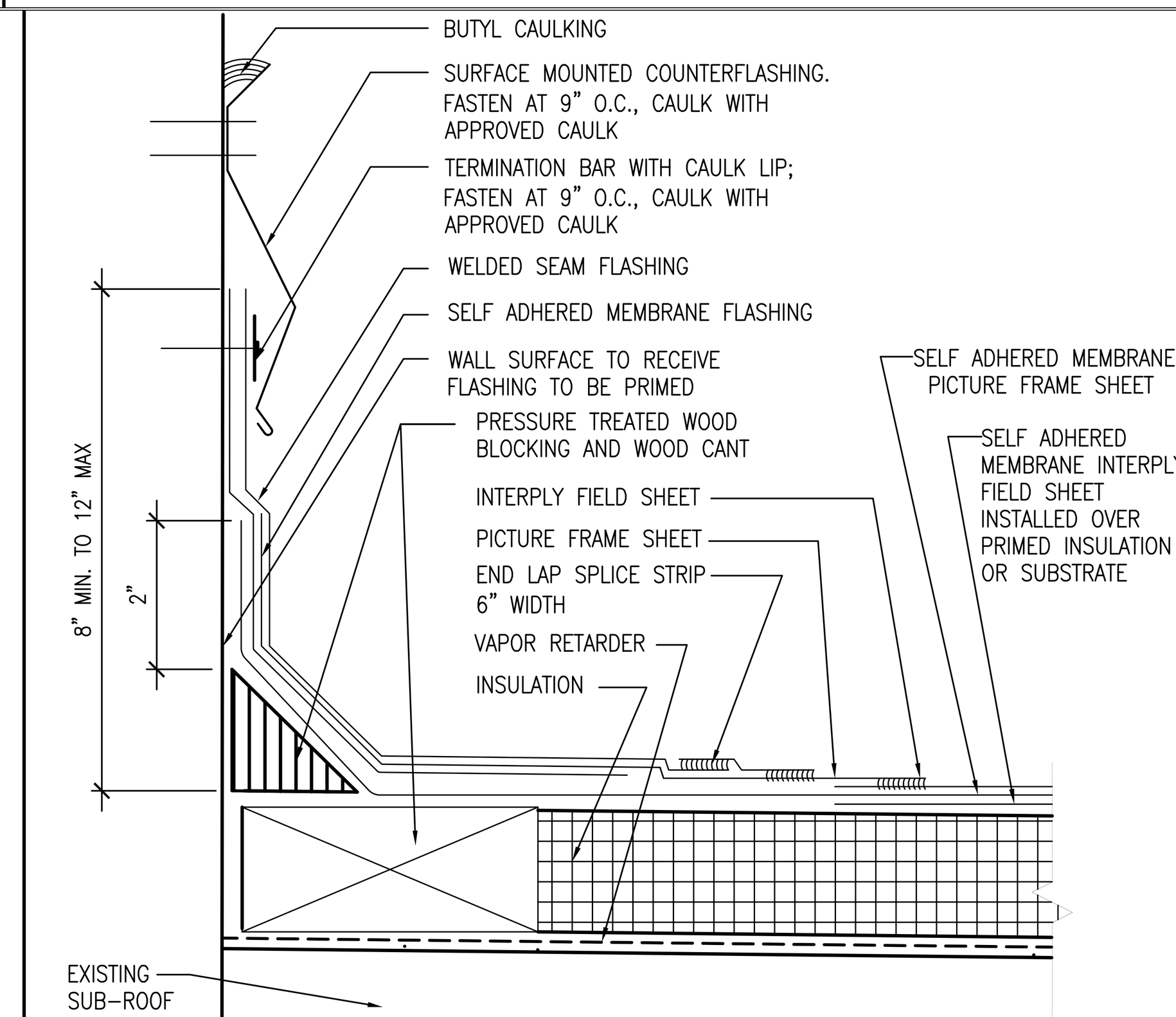
Time: 2:04 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\10981954.Michie Stadium\Phase A-1\arch\A5-02.dwg



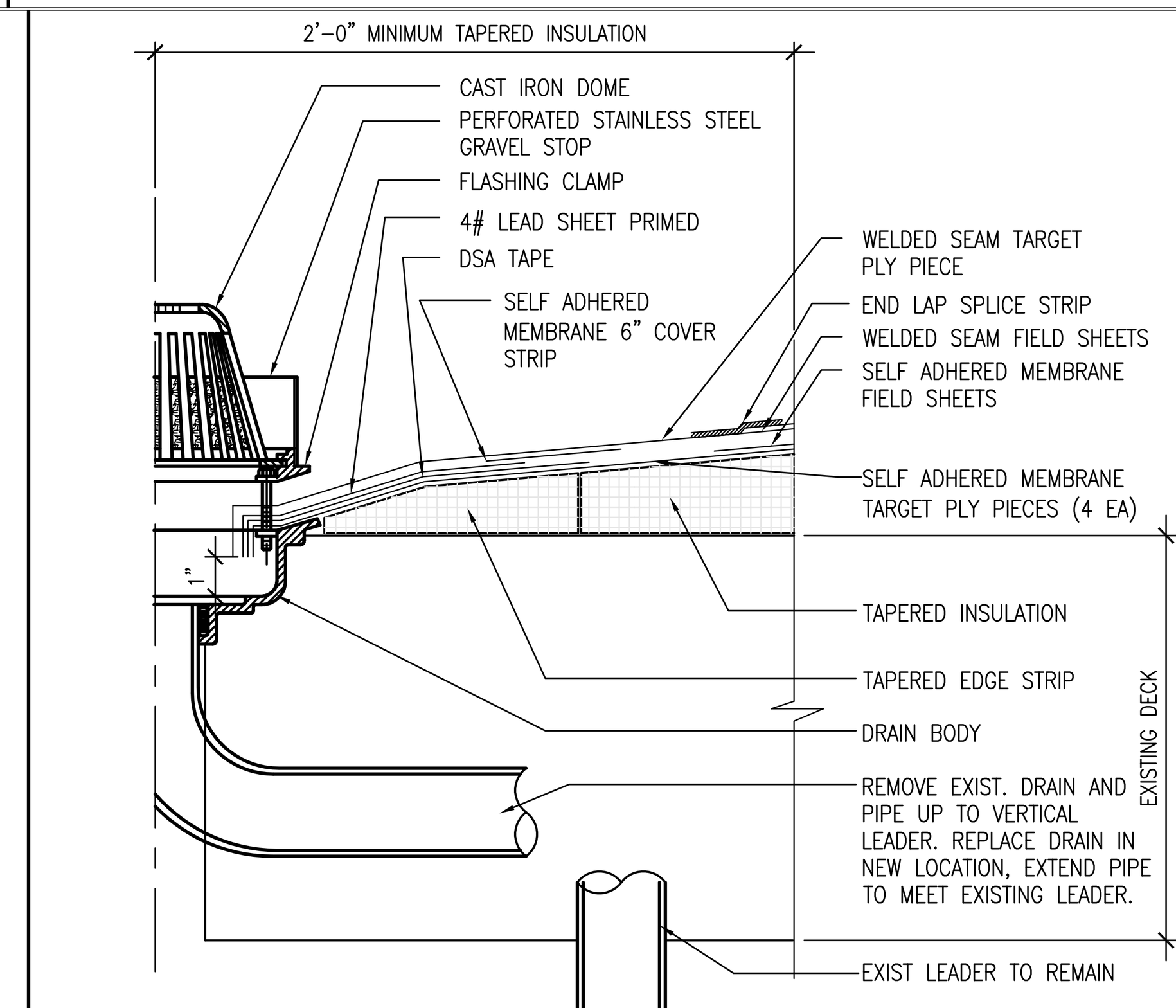
1 A5-03 EXISTING ROOF PLAN
NORTH & SOUTH TOWER(TYP OF 2)
SCALE : 1/4" = 1'-0"



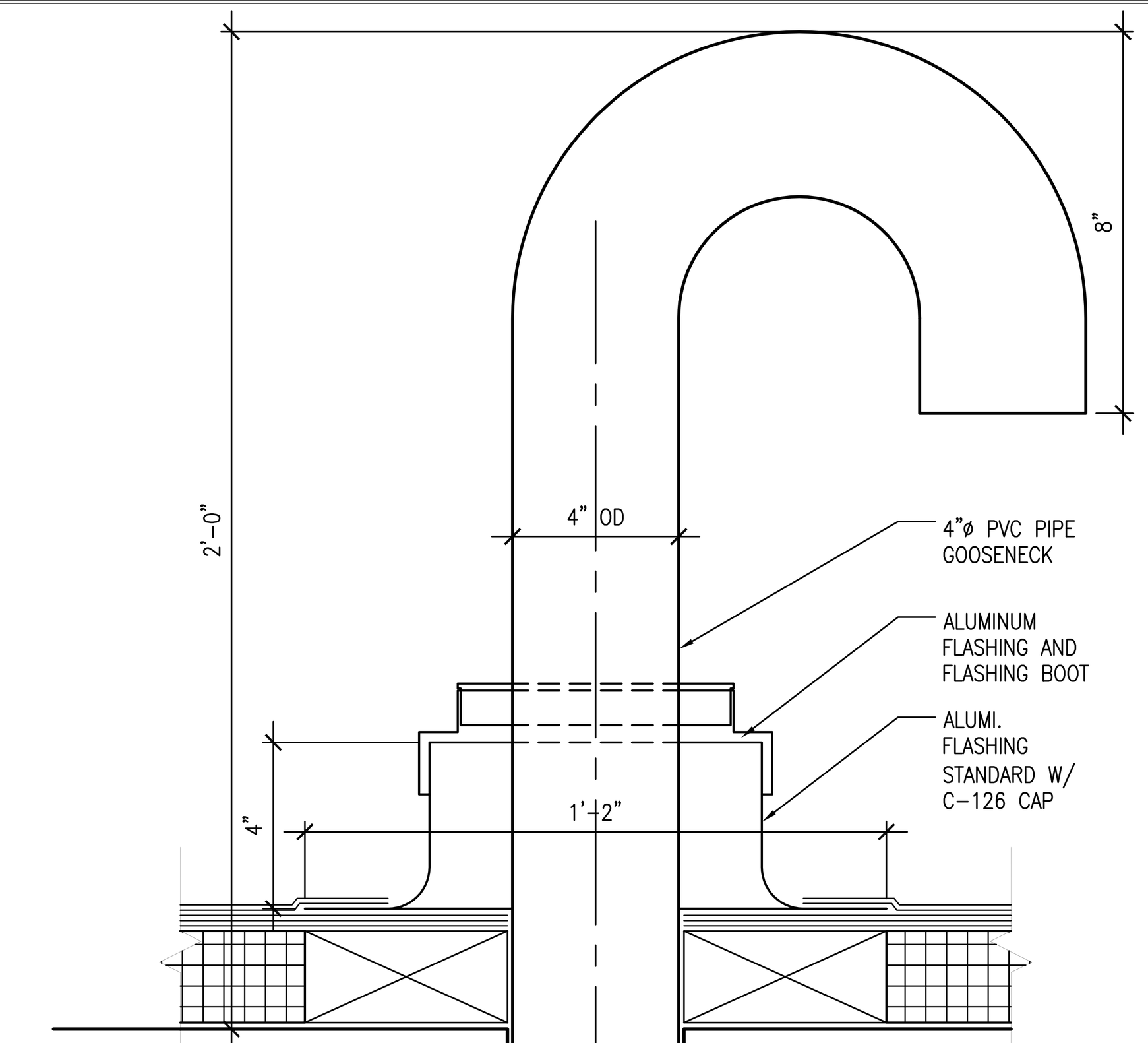
2 A5-03 ROOF PLAN
NORTH & SOUTH TOWER(TYP OF 2)
SCALE : 1/4" = 1'-0"



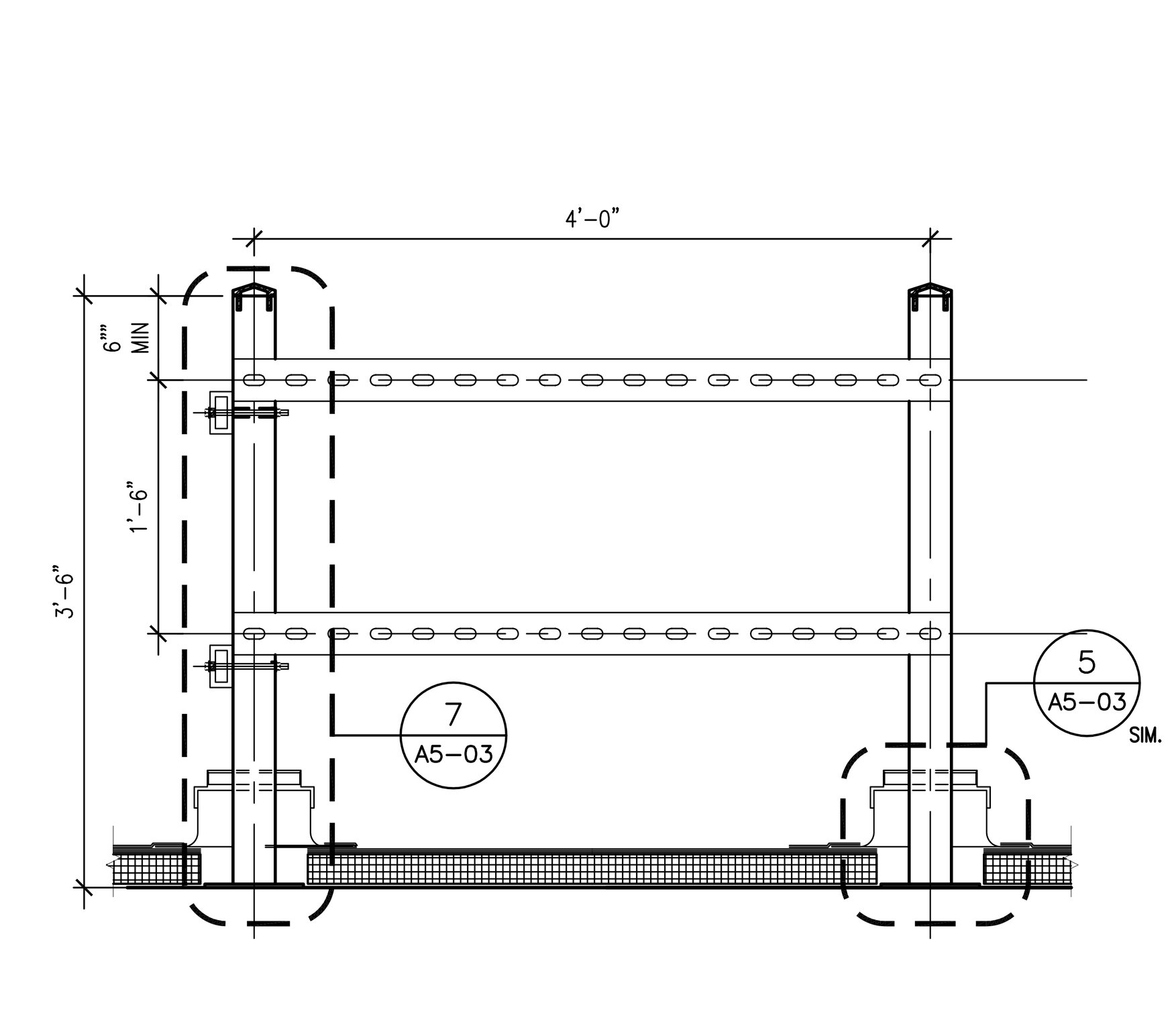
3 A5-03 PARAPET DETAIL
AT HYLOAD ROOF
SCALE : 3" = 1'-0"



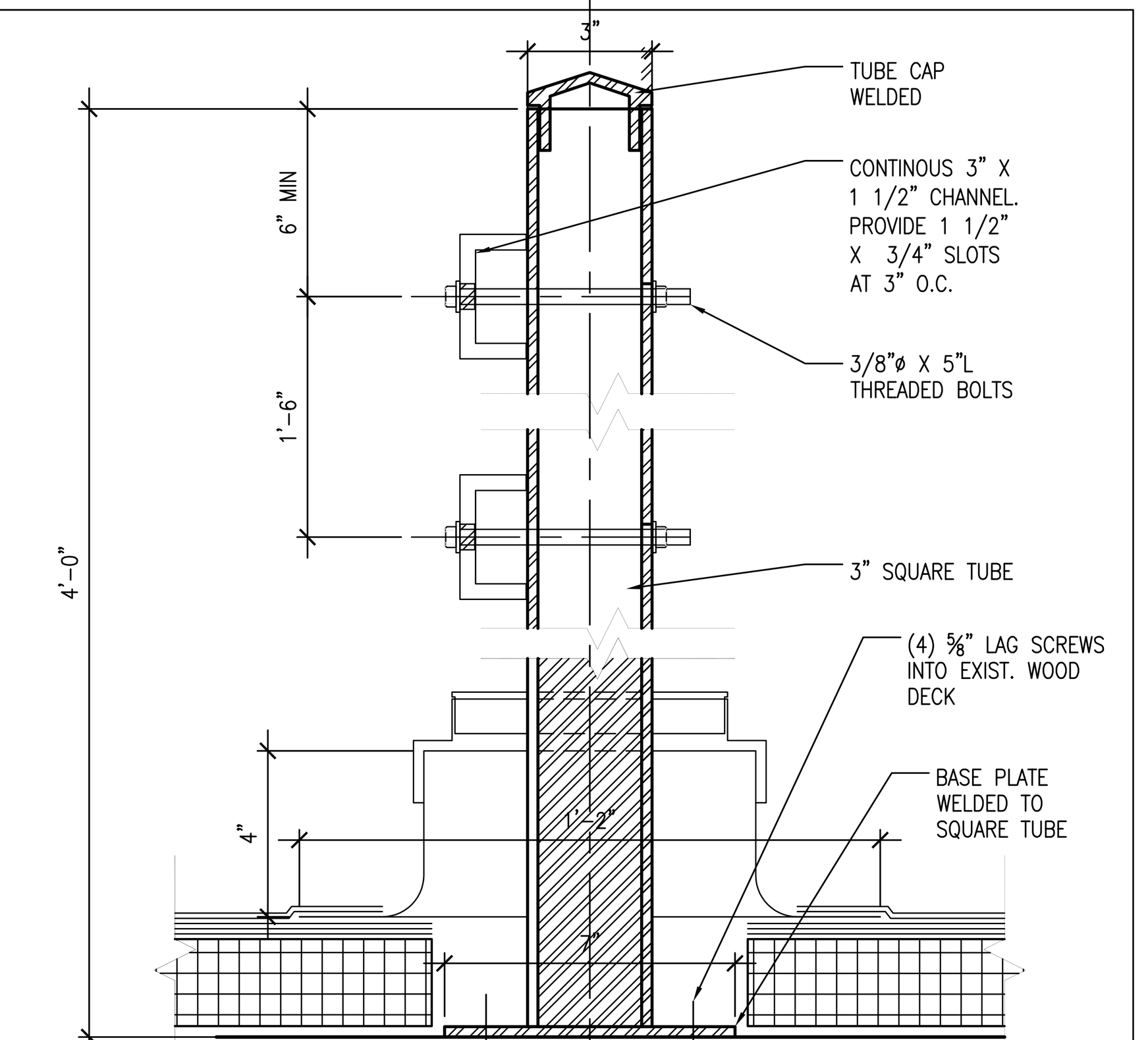
4 A5-03 ROOF DRAIN DETAIL
AT HYLOAD ROOF
SCALE : NTS



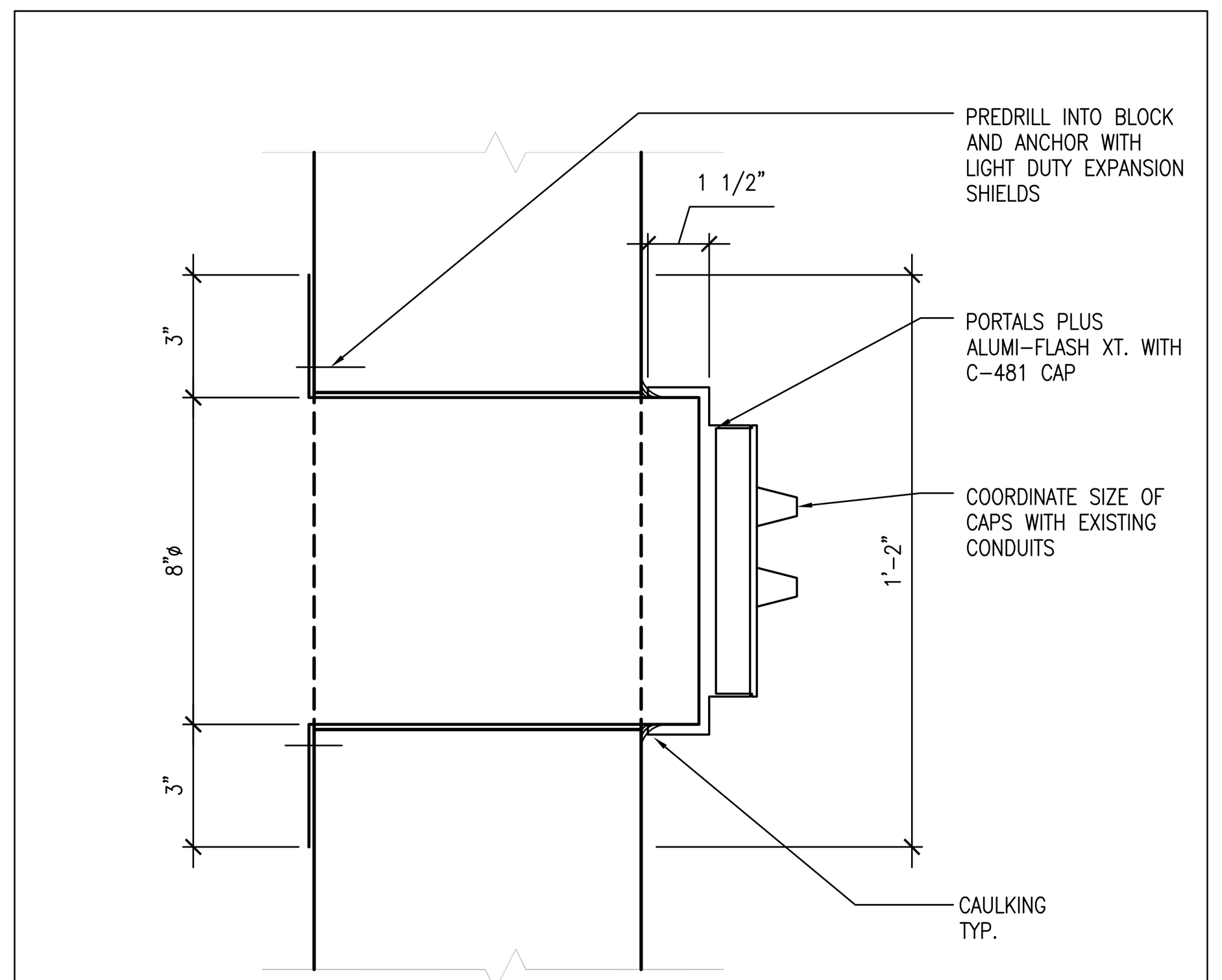
5 A5-03 GOOSE NECK DETAIL
AT HYLOAD ROOF
SCALE : 3" = 1'-0"



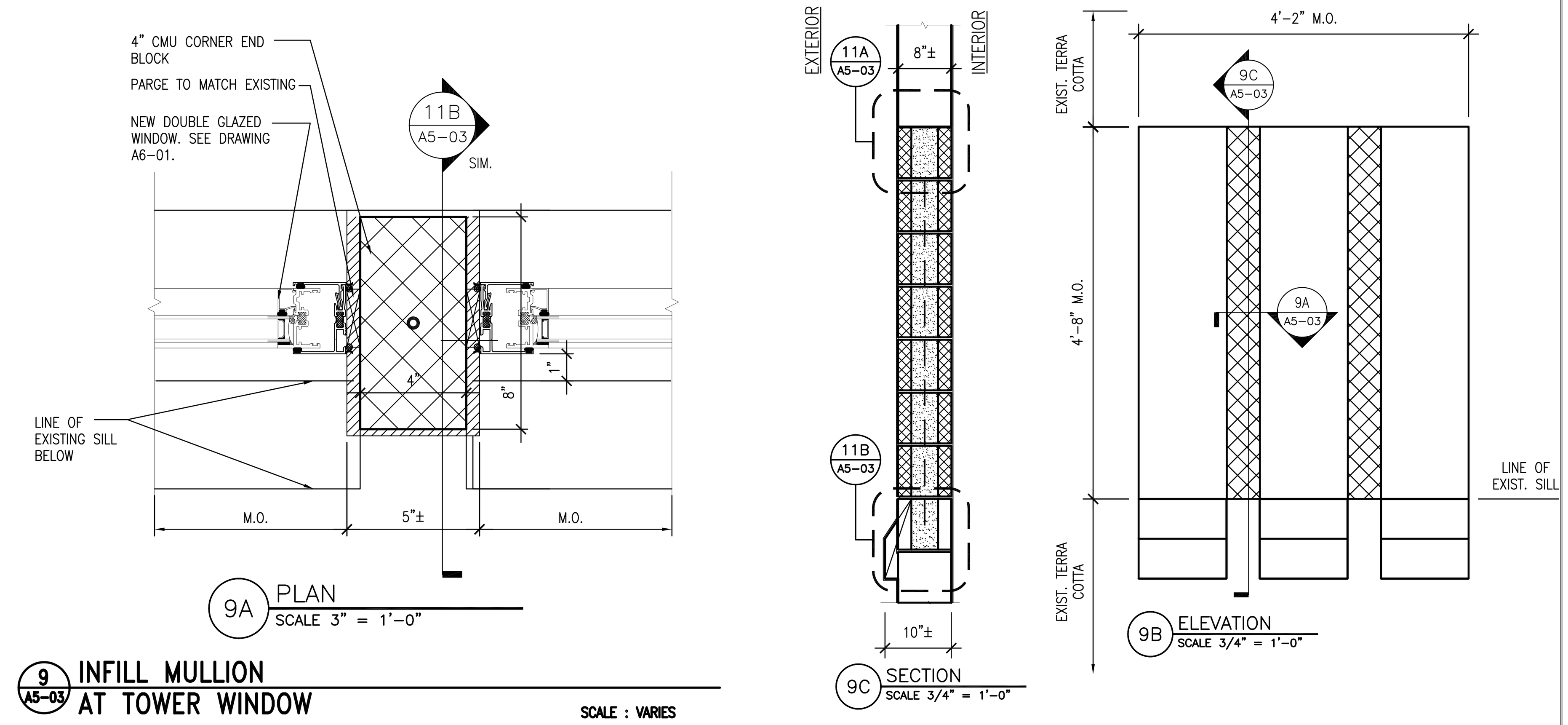
6 A5-03 PIPE RAIL SUPPORT
ELEVATION
SCALE : 1" = 1'-0"



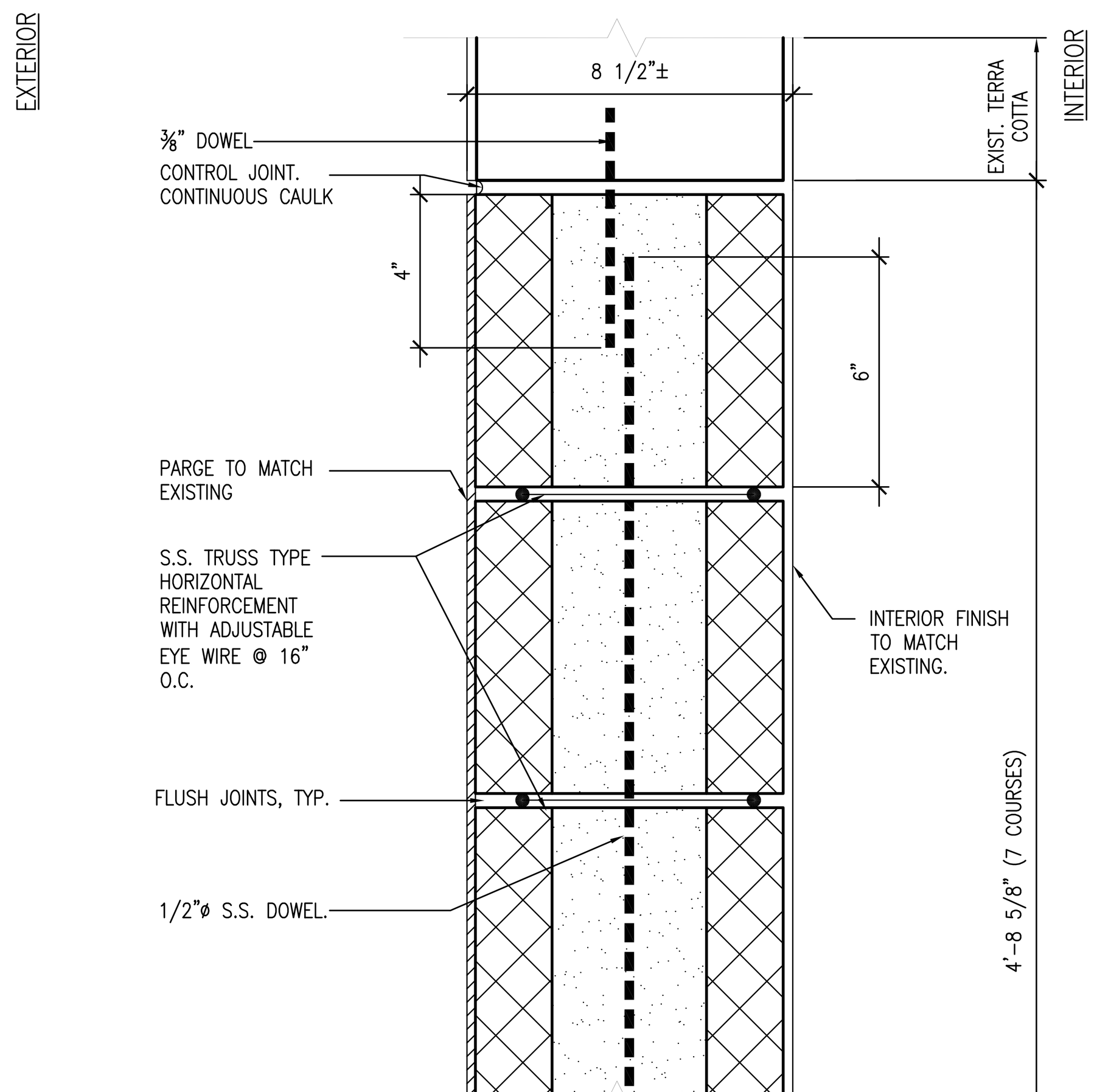
7 A5-03 PIPE RAIL
SECTION
SCALE : 3" = 1'-0"



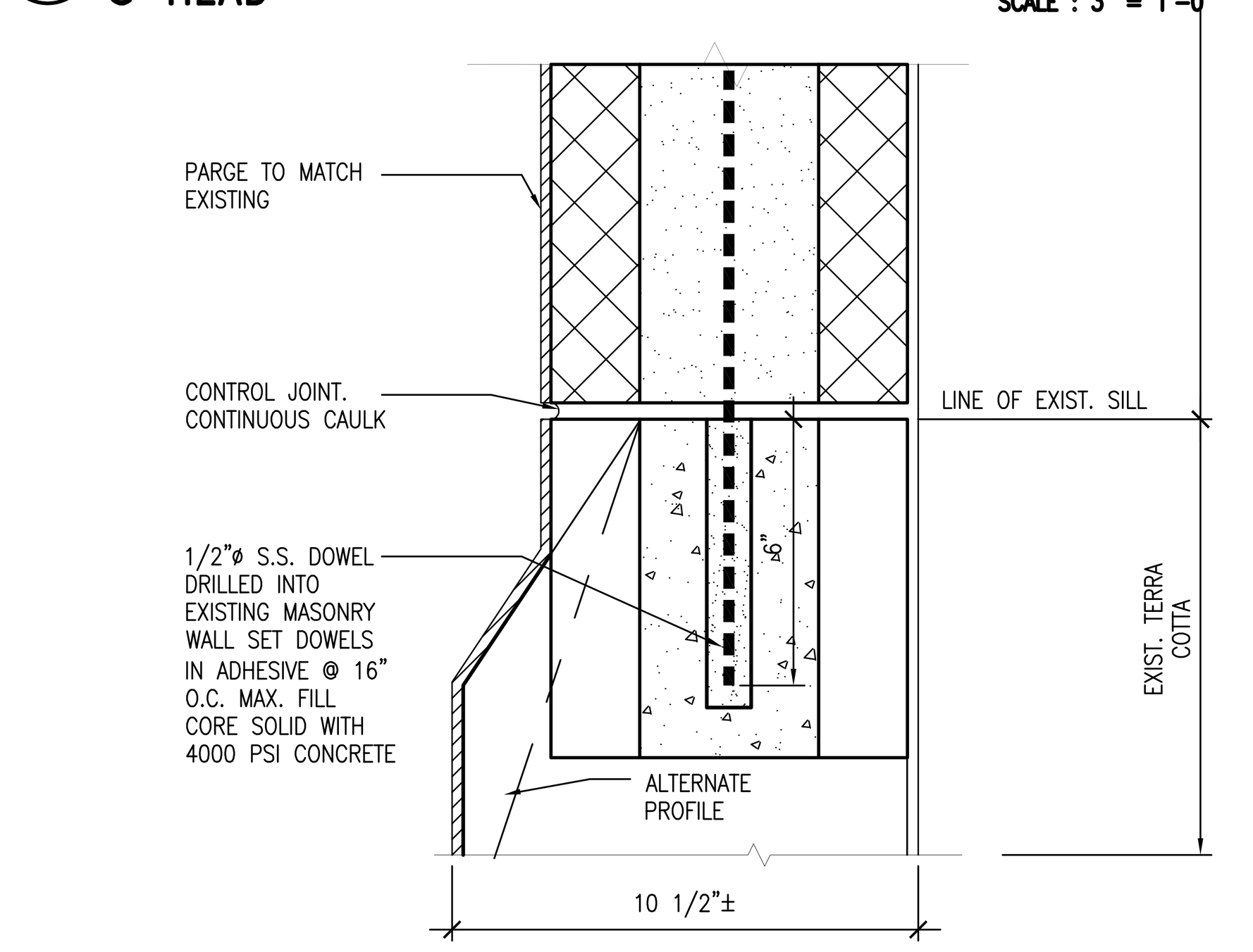
8 A5-03 THROUGH WALL SECTION
CONDUIT
SCALE : 3" = 1'-0"



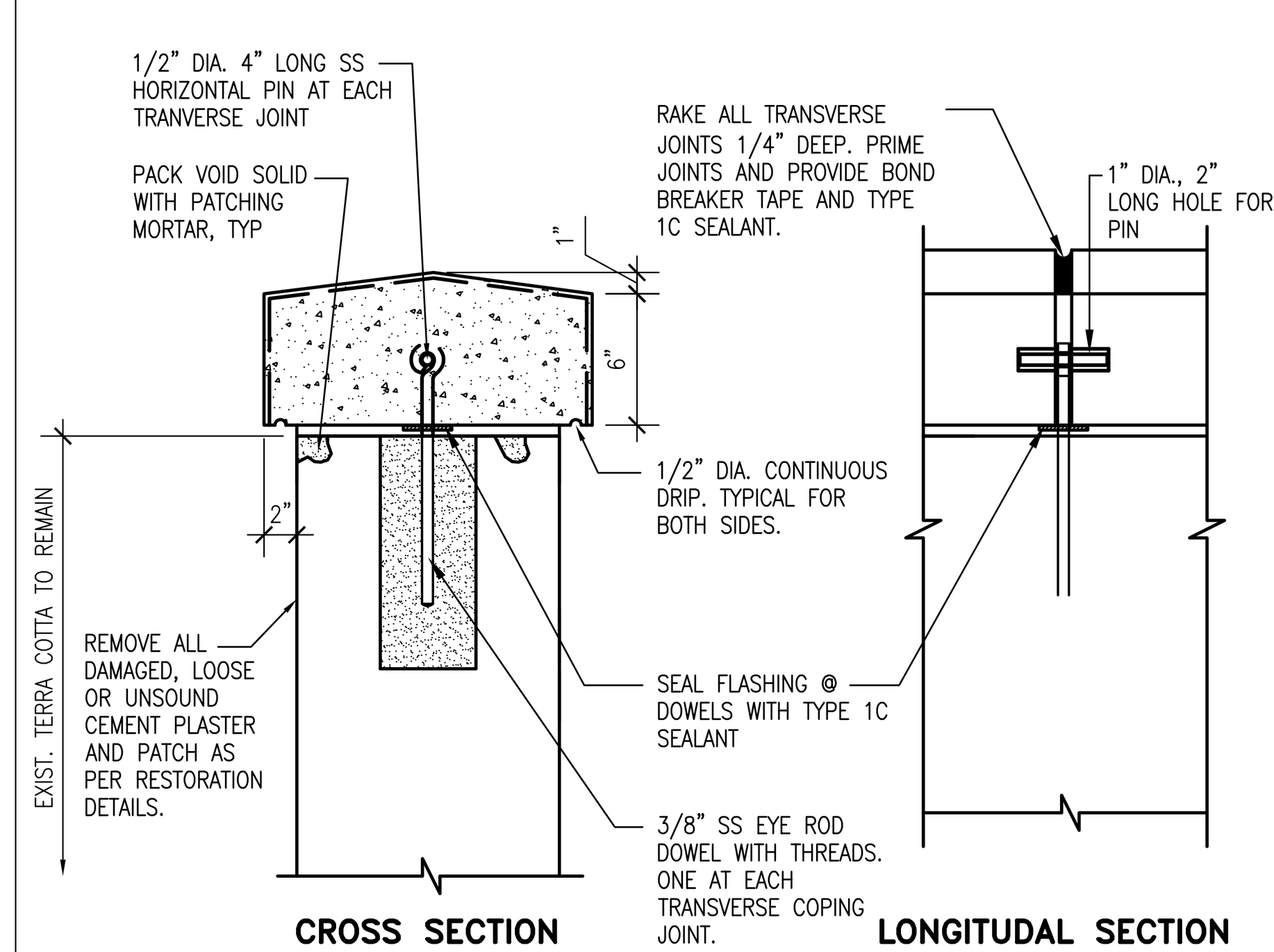
9 A5-03 INFILL MULLION
AT TOWER WINDOW
SCALE : VARIES



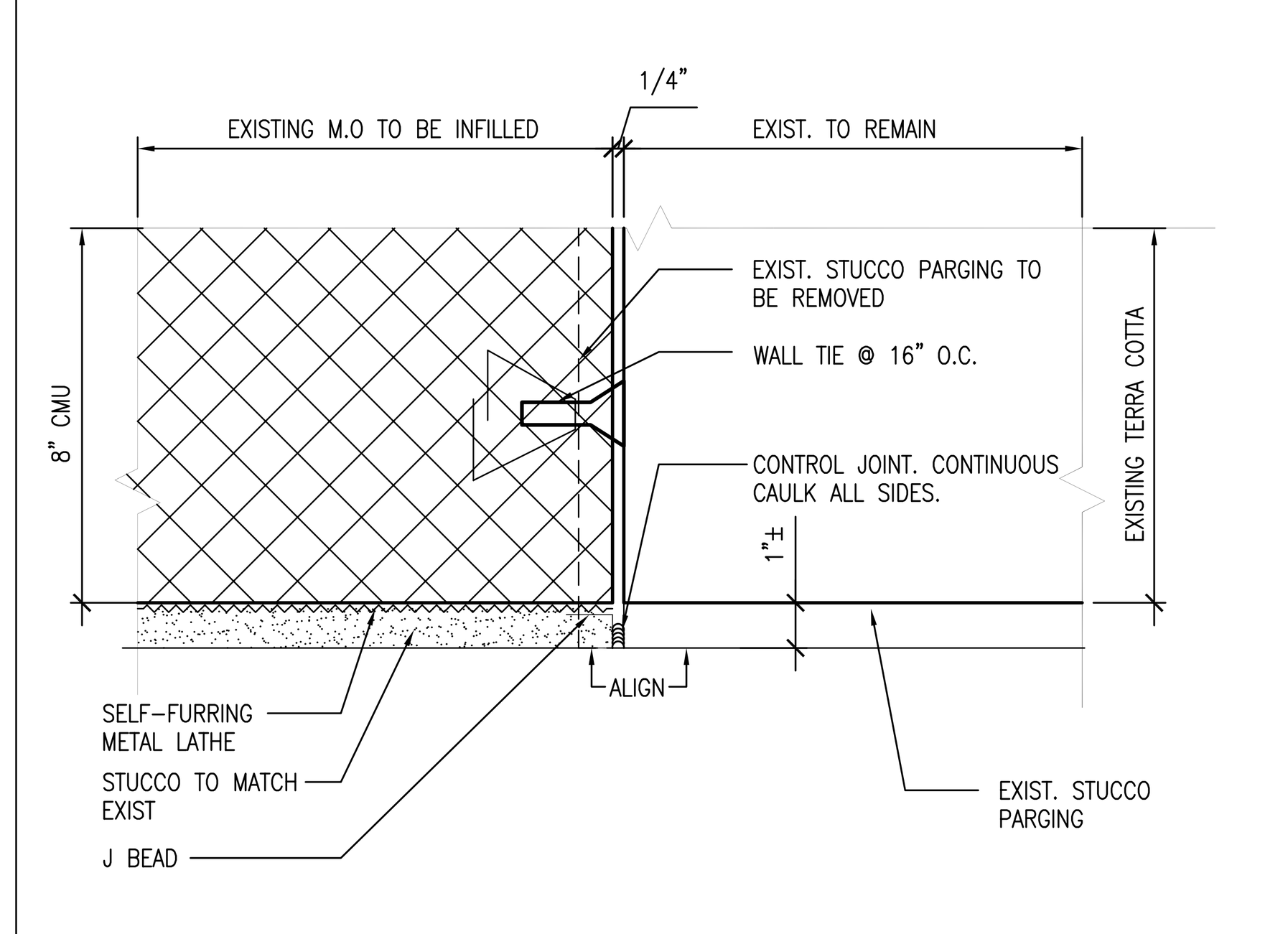
11A A5-03 INFILL DETAIL
@ HEAD
SCALE : 3" = 1'-0"



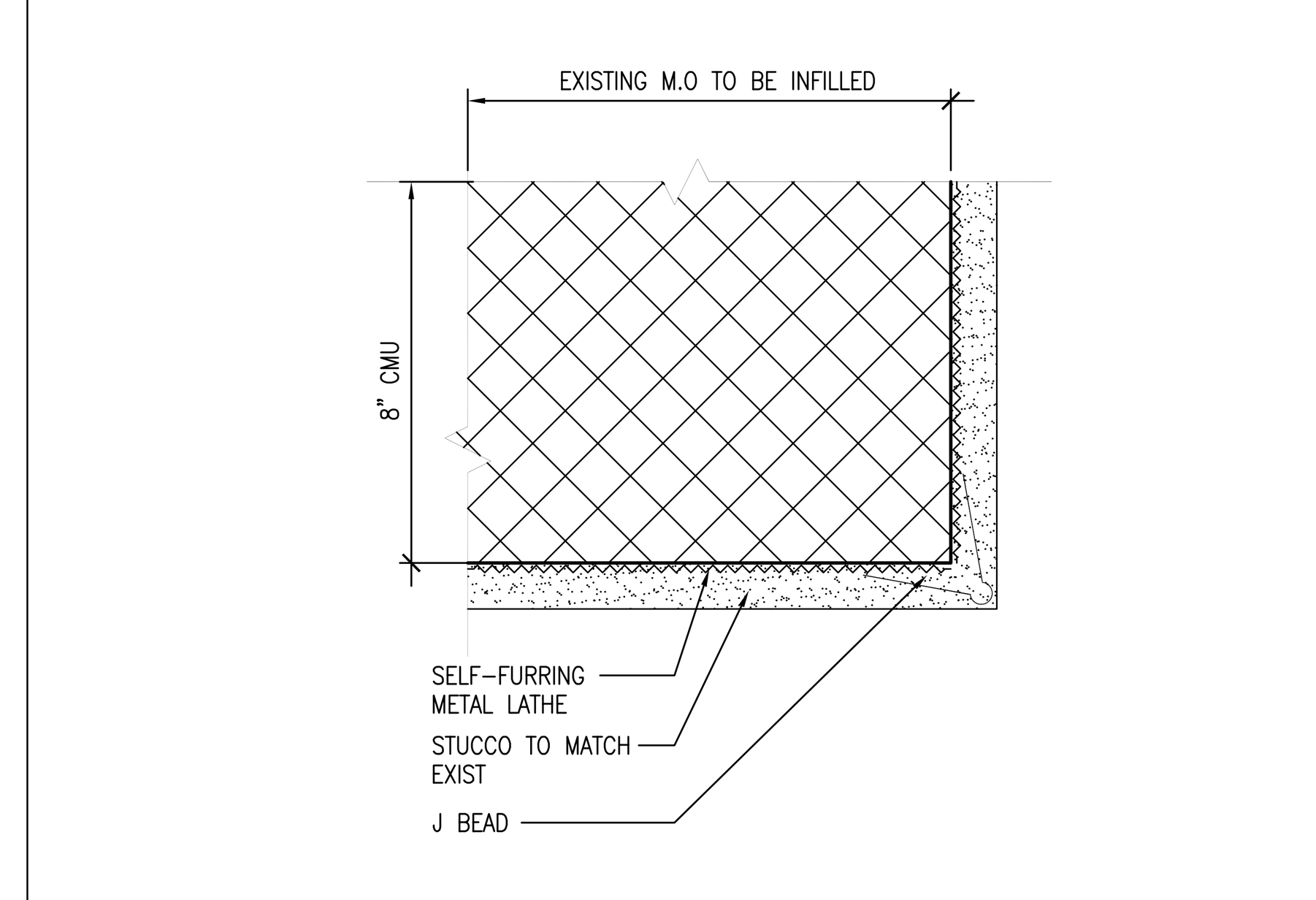
11B A5-03 INFILL DETAIL
@ SILL
SCALE : 3" = 1'-0"



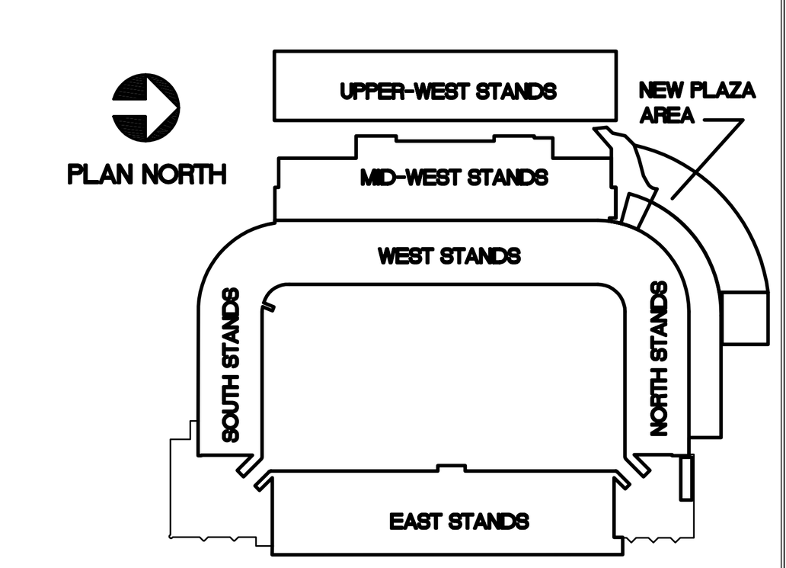
13 A5-03 PRECAST COPING
@ PARAPET WALL
SCALE : 1 1/2" = 1'-0"



18 A5-03 INFILL DETAIL
CORNER DETAIL
SCALE : 3" = 1'-0"



19 A5-03 INFILL DETAIL
CORNER DETAIL
SCALE : 3" = 1'-0"



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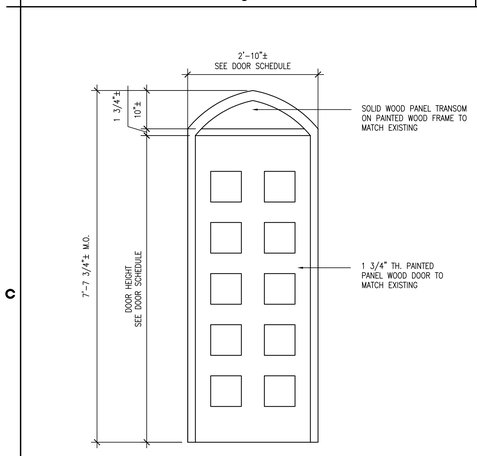
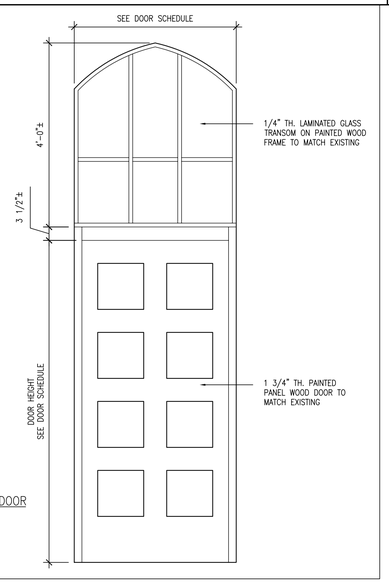
PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK

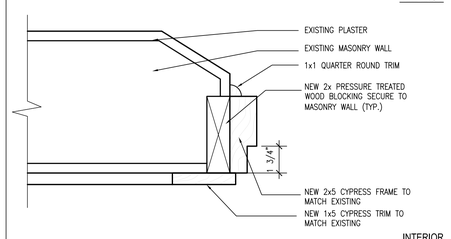
DETAILS:
ROOF DETAILS; INFILL MASONRY DETAILS;

DRAWING
A5-03
24 OF 37

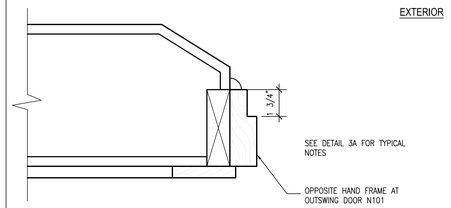


1 A6-01 DOOR TYPE ELEVATIONS — SCALE : 3/4" = 1'-0"

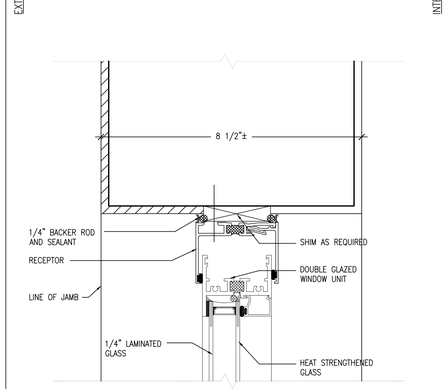




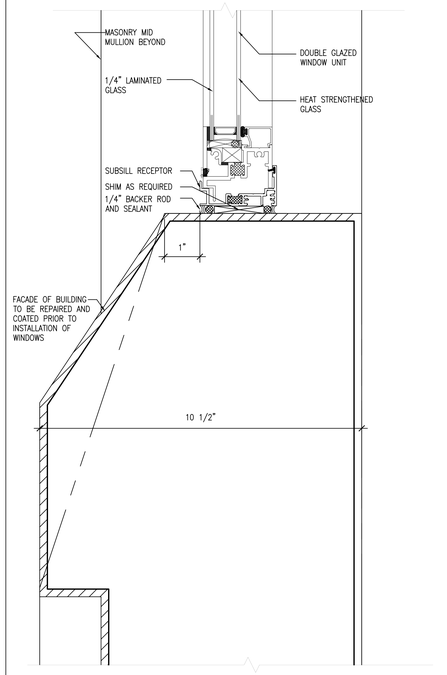
3A A6-01 JAMB DETAIL AT TOWER DOORS — SCALE : 3" = 1'-0"



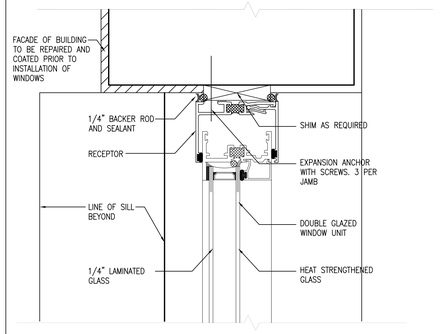
3B A6-01 JAMB DETAIL AT TOWER DOORS — SCALE : 3" = 1'-0"



10 A6-01 SECTION AT TOWER WINDOW TYPICAL HEAD DETAIL — SCALE : 6" = 1'-0"



11 A6-01 SECTION AT TOWER WINDOW TYPICAL SILL DETAIL — SCALE : 6" = 1'-0"



12 A6-01 SECTION AT TOWER WINDOW TYPICAL JAMB DETAIL — SCALE : 6" = 1'-0"

AREA		DOOR NO.	DOOR: INT. / EXT.	TYPE	MAT.	NO.	NOMINAL SIZE W.	HGHT.	TH.	SILL DETAIL	LOUVER W.	HGHT.	GLASS	SPEC'L. DETAIL	FRAME TYPE	MAT.	DETAIL / SHEET JAMB	HEAD	SILL	FIRE RATING	HARD-WARE SET	REMARKS
TOWERS	N	NT.101	NORTH TOWER/GATE 3	B	WOOD	1	3'-2"	6'-8"	1 3/4"	–	–	–	–	–/–	F2	WOOD	3B/A6-01	3B/A6-01 SIM	–	–	HW-1	"ARTISTIC DOORS & WINDOWS
	N	NT.201	NORTH TOWER/STANDS	A	WOOD	1	2'-6"	6'-8"	1 3/4"	–	–	–	–	–/–	F2	WOOD	3A/A6-01	3A/A6-01 SIM	–	–	HW-1	"ARTISTIC DOORS & WINDOWS
	S	ST.201	SOUTH TOWER/STANDS	A	WOOD	1	2'-6"	6'-8"	1 3/4"	–	–	–	–	–/–	F2	WOOD	3A/A6-01	3A/A6-01 SIM	–	–	HW-1	"ARTISTIC DOORS & WINDOWS

" OR APPROVED EQUAL.
" OR APPROVED EQUAL.
" OR APPROVED EQUAL.

DOOR SCHEDULE NOTES:

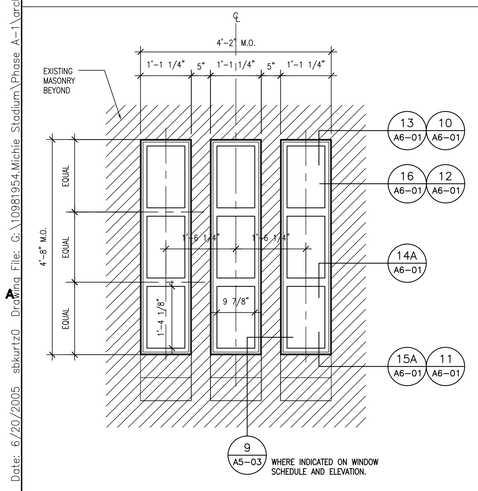
1. ALL NEW WOOD DOORS AND FRAMES SHALL MATCH EXISTING.
2. VERIFY SIZES IN FIELD PRIOR TO FABRICATION.

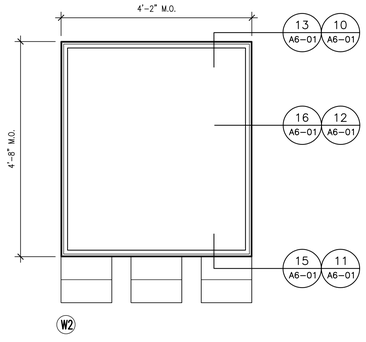
5 A6-01 DOOR SCHEDULE — SCALE : NTS

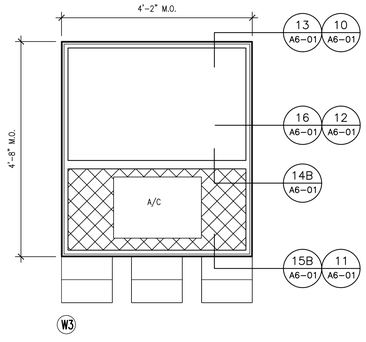
AREA		M.O./ WINDOW NUMBER NO.	ROOM #	ROOM TYPE	ELEVATION REF	WINDOW DESCRIPTION TYPE	MATERIAL	WINDOW ELEVATION	WINDOW UNITS/ M.O.	MASONRY OPENING WIDTH	HEIGHT	WINDOW DETAILS DETAIL SHEET HEAD	JAMB	SILL	MULLION	SECURITY/SAFETY INTERIOR	EXTERIOR	MISCELLANEOUS GLAZING	WINDOW SHADE	INSECT SCREEN	REMARKS
TOWERS	S	S101	–	CONCOURSE	2/A2-01	FXD	ALUM	W1	3	4'-2"±	4'-8"±	10/A6-01	12/A6-01	11/A6-01	9/A5-03	–	–	–	N/A	N/A	SHPO
		S102	–	CONCOURSE	1/A2-01	FXD	ALUM	W1	3	4'-2"±	4'-8"±	10/A6-01	12/A6-01	11/A6-01	9/A5-03	–	–	–	N/A	N/A	
		S201	–	OFF/SECURITY	2/A2-01	FXD	ALUM	W1	3	4'-2"±	4'-8"±	10/A6-01	12/A6-01	11/A6-01	9/A5-03	–	–	–	N/A	N/A	SHPO
		S203	–	OFF/SECURITY	3/A2-01	FXD	ALUM	W2	1	4'-2"±	4'-8"±	10/A6-01	12/A6-01	11/A6-01	–	–	–	–	N/A	N/A	SECURITY
	N	N101	–	CRAWL SPACE	7/A2-01	FXD	ALUM	W1	3	4'-2"±	4'-8"±	10/A6-01	12/A6-01	11/A6-01	9/A5-03	–	–	–	N/A	N/A	SHPO
		N102	–	CRAWL SPACE	11/A2-01	FXD	ALUM	W1	3	4'-2"±	4'-8"±	10/A6-01	12/A6-01	11/A6-01	9/A5-03	–	–	–	N/A	N/A	
		N201	–	SECURITY	7/A2-01	FXD	ALUM	W1	3	4'-2"±	4'-8"±	10/A6-01	12/A6-01	11/A6-01	9/A5-03	–	–	–	N/A	N/A	SHPO
		N202	–	SECURITY	8/A2-01	FXD	ALUM	W2	1	4'-2"±	4'-8"±	10/A6-01	12/A6-01	11/A6-01	–	–	–	–	N/A	N/A	SECURITY
		N203	–	SECURITY	11/A2-01	FXD	ALUM	W3	2	4'-2"±	4'-8"±	10/A6-01	12/A6-01	11/A6-01	–	–	–	–	N/A	N/A	A/C

WINDOW SCHEDULE LEGEND:
ALUM.....ALUMINUM
FXD.....FIXED SASH
A/C.....AIR CONDITIONER

6 A6-01 WINDOW SCHEDULE — SCALE : NTS

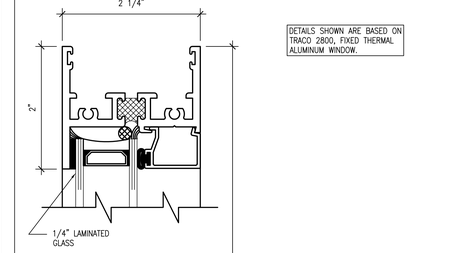






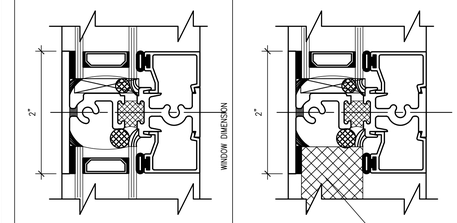
W1 ALUM. FIXED WINDOW WITH LAMINATED CLEAR GLASS, PROFILE TO MATCH EXISTING

7 A6-01 WINDOW TYPE ELEVATIONS — SCALE : 3/4" = 1'-0"



DETAILS SHOWN ARE BASED ON TRACO 2800, FIXED THERMAL ALUMINUM WINDOW.

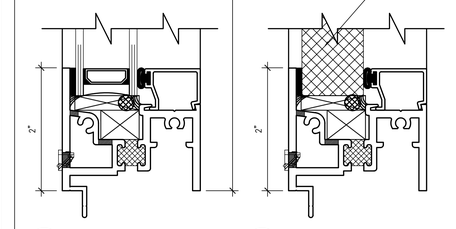
13 A6-01 HEAD DETAIL @ FIXED WINDOW — SCALE : FULL



14A WIN TYPE W1

14B WIN TYPE W3

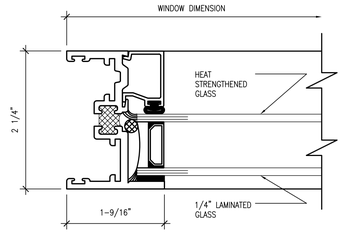
14 A6-01 HORIZONTAL MULLION @ FIXED WINDOW — SCALE : FULL



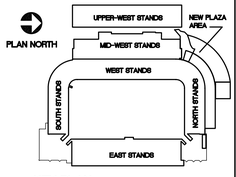
15A WIN TYPE W1, W2

15B WIN TYPE W3

15 A6-01 SILL DETAIL @ FIXED WINDOW — SCALE : FULL



16 A6-01 JAMB DETAIL @ FIXED WINDOW — SCALE : FULL



KEY PLAN
N.T.S.

STATE OF NEW YORK
029383

US Army Corps of Engineers
New York District

SAN FRANCISCO
HONOLULU
PARAMUS
NYC
BUFFALO

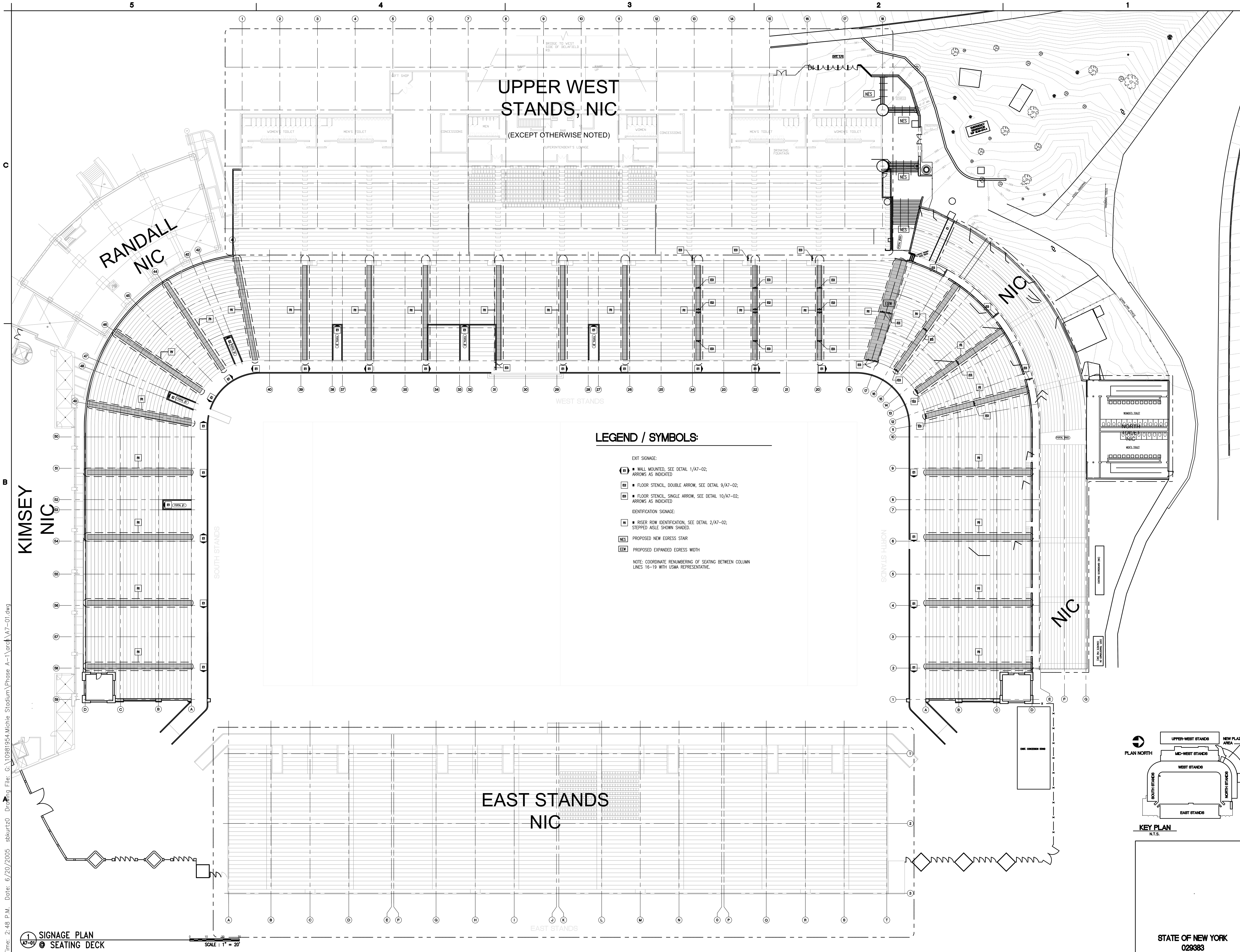
URS

PROJECT TITLE: BID 062805
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA - STONY LONESOME ROAD
WEST POINT, NEW YORK

DOORS AND WINDOWS: SCHEDULE, ELEVATIONS, DETAILS

DRAWING
A6-01
25 OF 37

Time: 2:08 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\109861954 Michie Stadium\Phase A-1\arch\A6-01.dwg


UPPER WEST STANDS, NIC
(EXCEPT OTHERWISE NOTED)
RANDALL NIC
KIMSEY NIC
NIC
NORTH TOILET NIC
EAST STANDS NIC
WEST STANDS
SOUTH STANDS
NORTH STANDS
EAST STANDS
LEGEND / SYMBOLS:
EXIT SIGNAGE:
E1 ■ WALL MOUNTED, SEE DETAIL 1/A7-02; ARROWS AS INDICATED
E2 ■ FLOOR STENCIL, DOUBLE ARROW, SEE DETAIL 9/A7-02;
E3 ■ FLOOR STENCIL, SINGLE ARROW, SEE DETAIL 10/A7-02; ARROWS AS INDICATED
IDENTIFICATION SIGNAGE:
R1 ■ RISER ROW IDENTIFICATION, SEE DETAIL 2/A7-02; STEPPED AISLE SHOWN SHADED.
NES PROPOSED NEW EGRESS STAIR
EEW PROPOSED EXPANDED EGRESS WIDTH
NOTE: COORDINATE RENUMBERING OF SEATING BETWEEN COLUMN LINES 16-19 WITH USMA REPRESENTATIVE.
EMERGENCY GENERATOR
STEEL HANDRAIL
CHAIN LINK FENCE
WOMEN'S TOILET
MEN'S TOILET
EXIST. CONCESSION STAND
KEY PLAN
N.T.S.
PLAN NORTH
UPPER-WEST STANDS
MID-WEST STANDS
WEST STANDS
SOUTH STANDS
NORTH STANDS
EAST STANDS
NEW PLAZA AREA
1 A7-01 SIGNAGE PLAN @ SEATING DECK
SCALE : 1" = 20'
Time: 2:48 P.M. Date: 6/20/2005 sbkurtz0 Drawing File: G:\10981954.Michie Stadium\Phase A-1\arch\A7-01.dwg

US Army Corps of Engineers
New York District

URS
SAN FRANCISCO
WAYNE
PARAMUS
NYC
BUFFALO

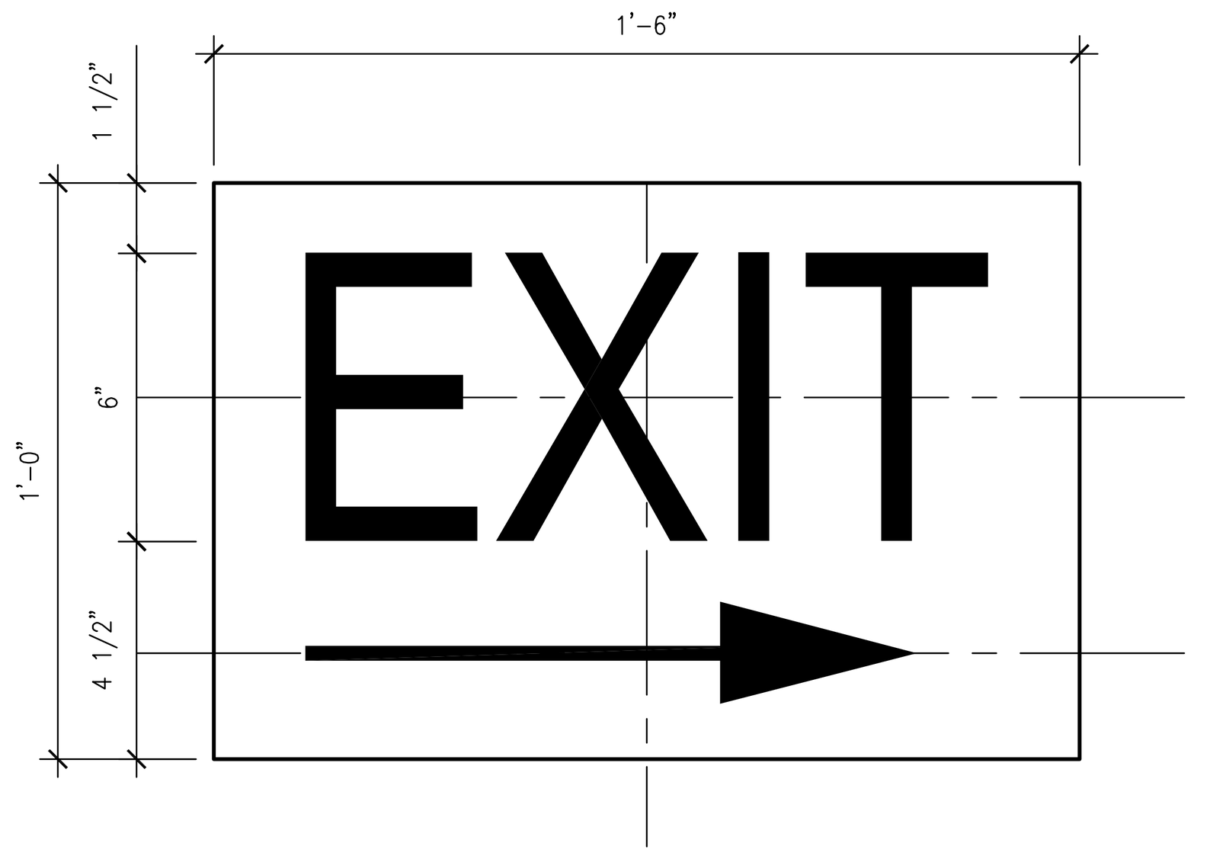
Scale: AS NOTED
Drawn by: SK; GA;
Checked by: TS;
Design file: 10981954.00000
File No.: 7687-16485
Size: 30x42
Date: 06.28.05

PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA - STONY LONESOME ROAD, WEST POINT, NEW YORK

STADIUM SIGNAGE:
STADIUM PLAN AT SEATING DECK

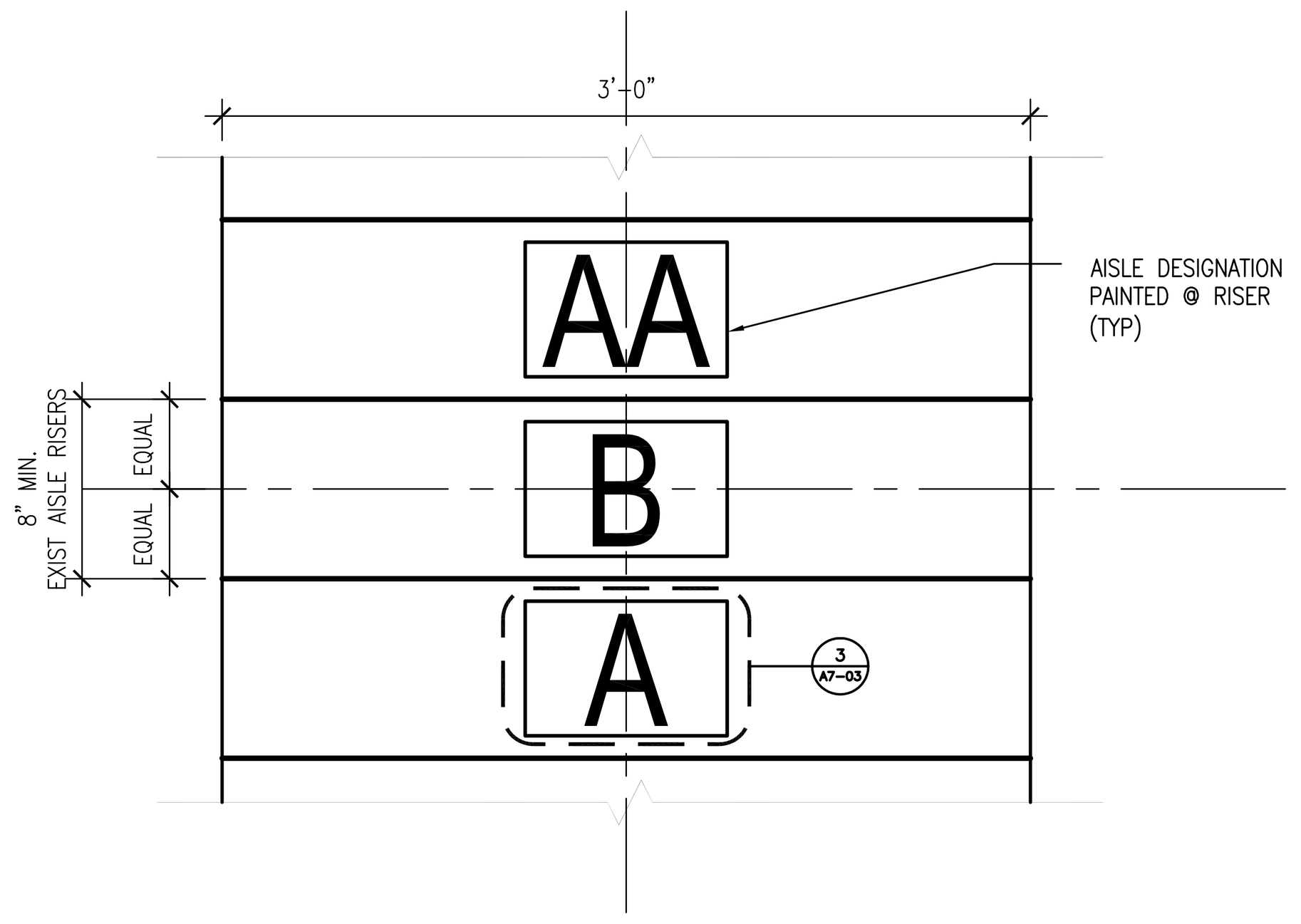
STATE OF NEW YORK
029383

DRAWING
A7-01



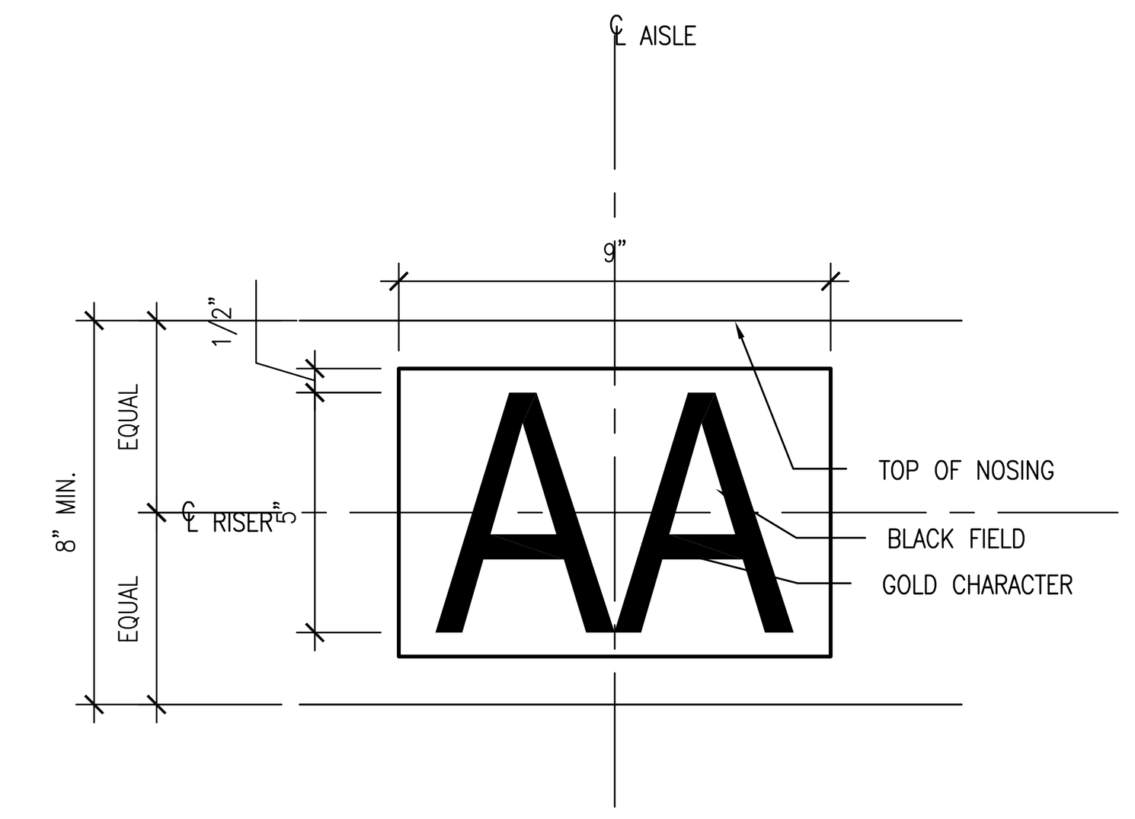
① A7-03 SIGNAGE: WALL MOUNTED SIGNS
TYPE 1

SCALE : 3" = 1'-0"



② A7-03 SIGNAGE ELEVATION
@ AISLE RISER

SCALE : 1 1/2" = 1'-0"



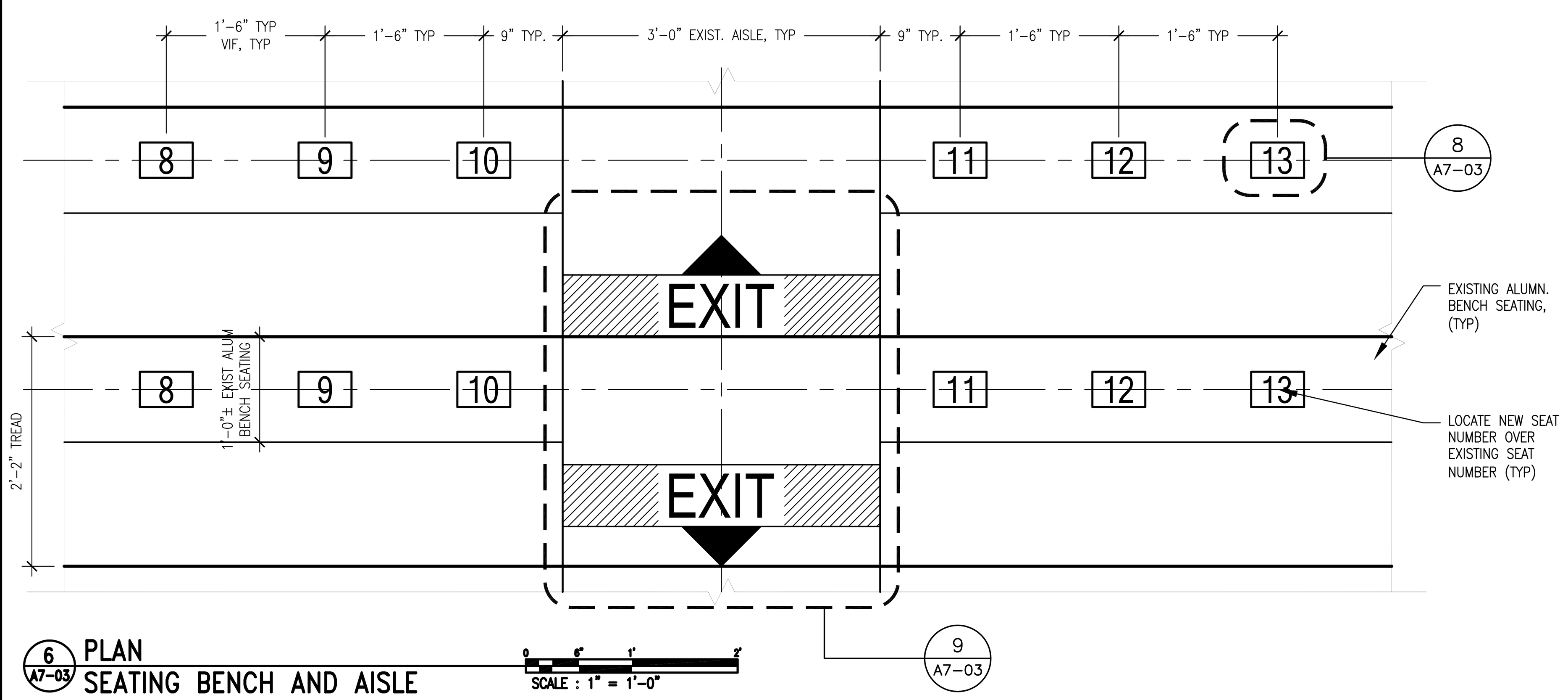
③ A7-03 ELEVATION DETAIL
@ AISLE RISER

SCALE : 3" = 1'-0"

GENERAL NOTE:

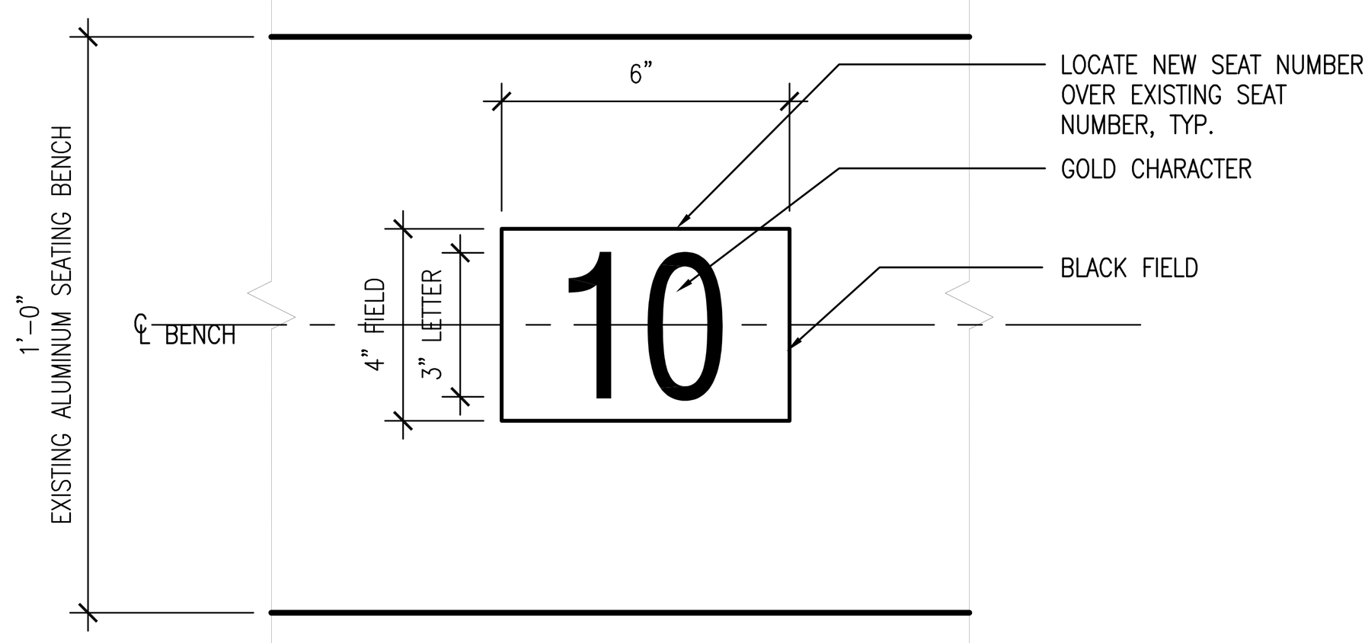
1. ALL FONTS AND COLORS TO MATCH ODIA STANDARDS WHICH WILL BE PROVIDED BY THE CONTRACTING OFFICER.

2. THE GOVERNMENT RESERVES THE RIGHT OF OWNERSHIP FOR ALL REMOVED COMPONENTS. REFUSED COMPONENTS BECOME THE PROPERTY OF THE CONTRACTOR.



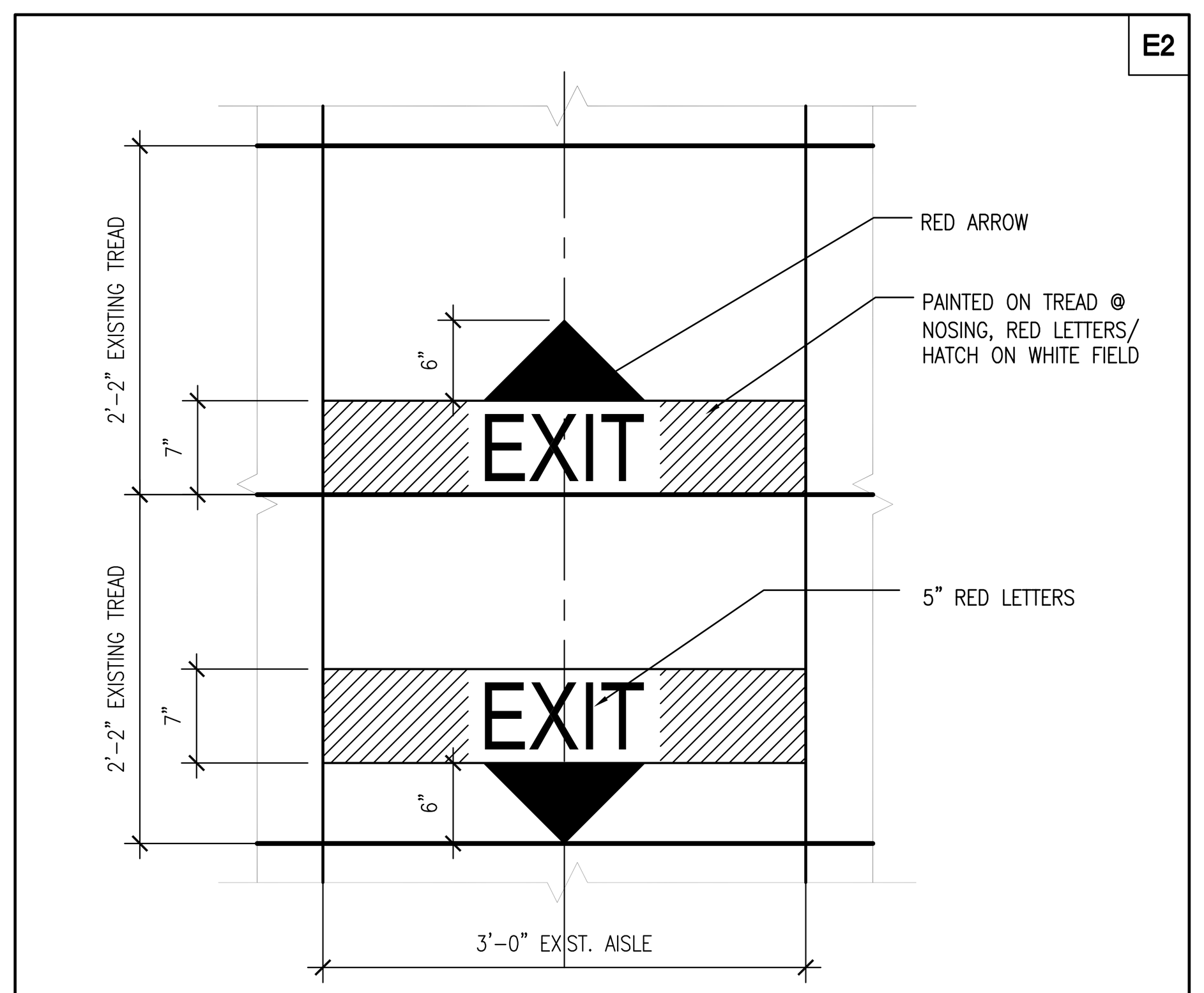
⑥ A7-03 PLAN
SEATING BENCH AND AISLE

SCALE : 1" = 1'-0"



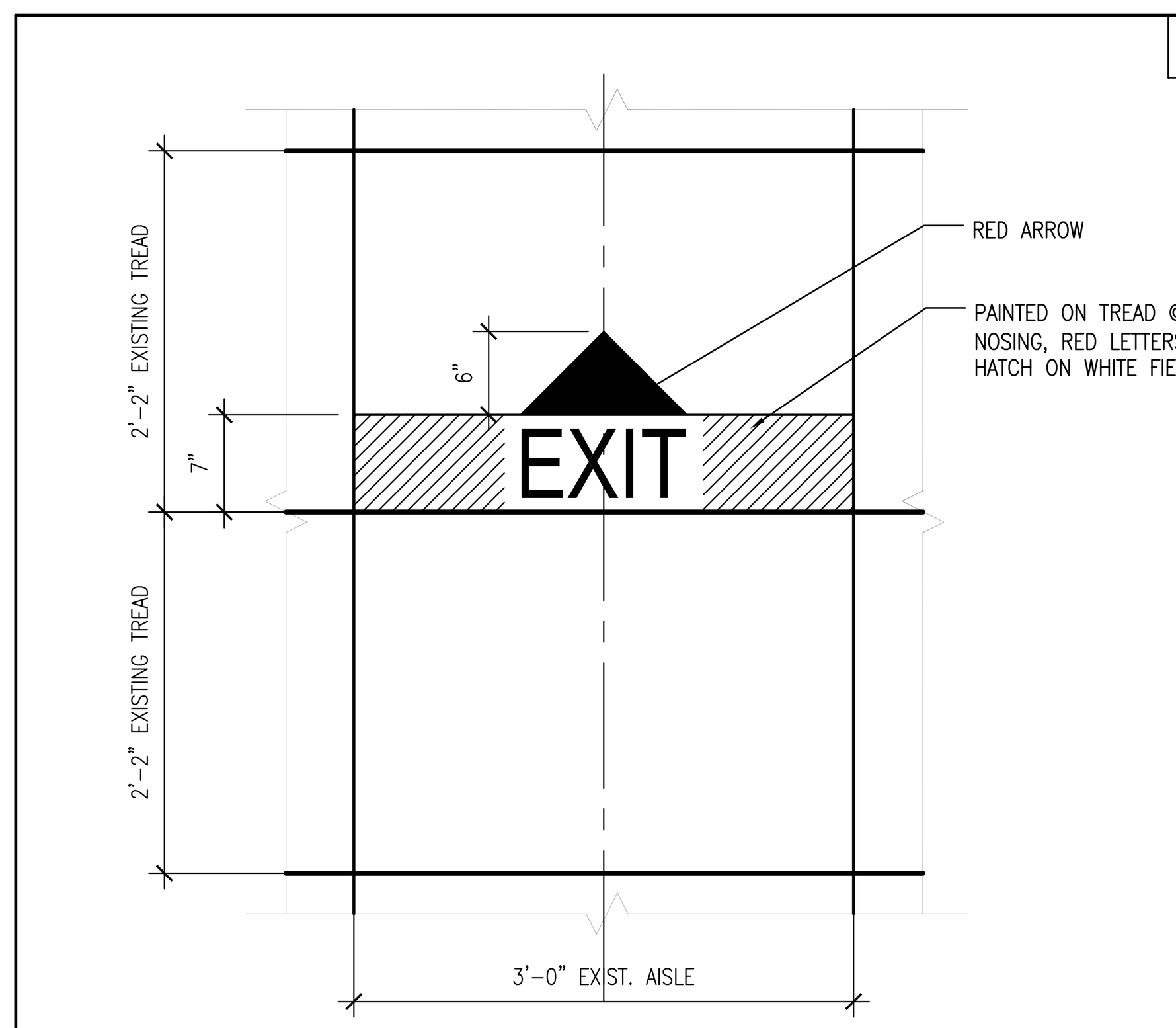
⑧ A7-03 PLAN DETAIL
@ BLEACHER SEAT POSITION

SCALE : 3" = 1'-0"



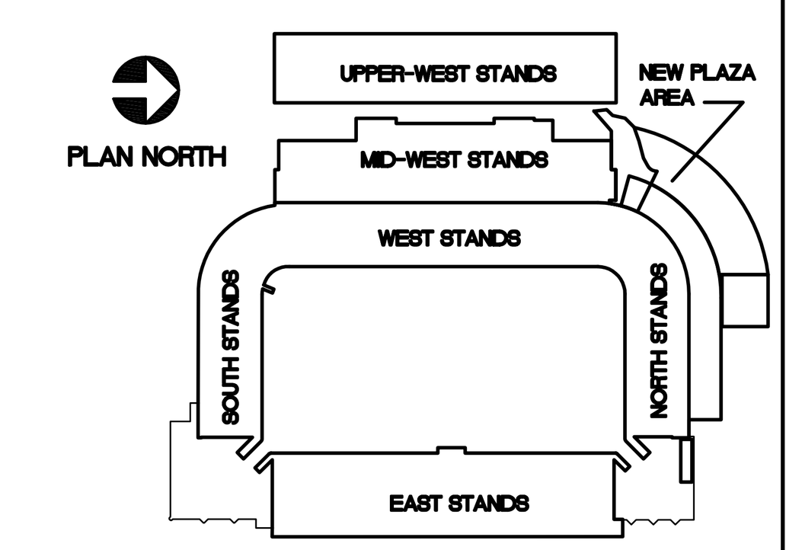
⑨ A7-03 SIGNAGE PLAN DETAIL
@ AISLE TREAD

SCALE : 1" = 1'-0"



⑩ A7-03 SIGNAGE PLAN DETAIL
@ AISLE TREAD

SCALE : 1" = 1'-0"



KEY PLAN
N.T.S.

STATE OF NEW YORK
029383

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.

Plotted by: | Scale: AS NOTED | Pen Table:
Drawn by: SK; GA; | Feature table: | Color table:
Checked by: TS;
Design file: 10981954.00000 | Size: 30x42
Serial No.: | Project ID.: | File No.: 7687-16486 | Date: 06.28.05
Supervised by: | Designed by: SK; | Checked by: TS;

URS
SAN FRANCISCO
WAYNE
PARAMUS
NYC
BUFFALO

PROJECT TITLE: BID 06.28.05
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK

STADIUM SIGNAGE:
SIGN DETAILS

DRAWING
A7-02
27 OF 37

5 | 4 | 3 | 2 | 1

STRUCTURAL

GENERAL NOTES

1. INTENT OF DRAWINGS

A. THE GENERAL NOTES APPLY TO ALL STRUCTURAL WORK EXCEPT WHERE THEY CONFLICT WITH DETAILS OR NOTES SPECIFICALLY SHOWN.

B. ITEMS IN THE PROJECT SPECIFICATIONS, BUT NOT SHOWN ON THE DRAWINGS, SHALL BE CONSIDERED AS BEING PART OF THE DRAWINGS.

C. RESOLVE ANY CONFLICTS ON PLANS OR SPECIFICATIONS OR ANY AMBIGUITIES WITH THE CONTRACTING OFFICER BEFORE PROCEEDING WITH CONSTRUCTION.

D. ANY DETAIL OR DIMENSIONS NOT SHOWN SHALL BE OF SIMILAR CHARACTER AS SHOWN FOR SIMILAR CONDITIONS.

E. THE STRUCTURAL DRAWINGS SHOW ONLY THE BASIC STRUCTURE. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PIPING DRAWINGS FOR NONSTRUCTURAL ITEMS WHICH REQUIRE SPECIAL PROVISIONS DURING THE CONSTRUCTION OF THE STRUCTURE.

F. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC, UFC AND STATE OF NEW YORK BUILDING CODE.

2. EXISTING CONDITIONS

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PERTINENT TO HIS WORK PRIOR TO MATERIAL FABRICATION AND/OR CONSTRUCTION. FIELD CONDITIONS DIFFERENT FROM THOSE NOTED ON THE DRAWINGS SHALL BE PROMPTLY BROUGHT TO CONTRACTING OFFICER'S ATTENTION.
ITEMS TO BE FIELD VERIFIED INCLUDE BUT ARE NOT LIMITED TO:

A. LOCATION, DIMENSIONS AND ELEVATION OF THE EXISTING STRUCTURES, STRUCTURAL ELEMENTS {e.g., COLUMNS AND WALLS}, EQUIPMENT AND UTILITIES, WHICH HAVE BEEN SHOWN AS REFERENCE POINTS ON THE DRAWINGS.

B. LOCATION, DIMENSIONS, ELEVATION, SIZE AND DETAIL OF THE EXISTING STRUCTURAL ELEMENTS WHICH WILL AFFECT NEW CONSTRUCTION.

C. HORIZONTAL AND VERTICAL CLEARANCES.

D. HORIZONTAL AND VERTICAL TIE-IN POINTS.

3. DESIGN LOADS

A. ROOF LOADS: NA

B. FLOOR LOADS

1. SEATS – 120 p.s.f. LIVE LOAD
2. OTHER AREAS – 100 p.s.f. LIVE LOAD
3. STAIRS – 100 p.s.f. LIVE LOAD
4. CATWALKS – 50 p.s.f. LIVE LOAD

C. WIND LOADS (ASCE 7-98)

p = Ceqsl   p = DESIGN WIND PRESSURE

a. BASIC WIND SPEED = 90 MPH
b. EXPOSURE = C
c. Ce = 1.4
d. qs = 14 PSF
e. I = 1.15

D. SEISMIC LOADS.

a. SEISMIC LOADS AS REQUIRED BY: TI 5-809-4, TI 5-809-5

E. CRANE LOADS: NA

4. SOILS AND FOUNDATION

A. REFER TO GEOTECHNICAL RECOMMENDATIONS BY URS CORPORATION.

B. ALLOWABLE DESIGN VALUES

1. BEARING PRESSURES
   a. FOR D.L. + L.L. 2500 PSF
   b. FOR D.L. + WIND OR SEISMIC 3200PSF
2. PILES: NA
3. SLIDING RESISTANCE
   a. PASSIVE SOIL PRESSURE 350 PSF
   b. COEFFICIENT OF FRICTION
      FOR D.L. + WIND OR SEISMIC 0.3
4. LATERAL SOIL {ACTIVE} PRESSURE 50PCF

C. ALL FOUNDATIONS SHALL BE PLACED ON FIRM, UNDISTURBED SOILS OR STRUCTURAL FILL AS PER SPECIFICATION SECTION 02300. ANY UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH APPROVED BACKFILL MATERIAL OR CONCRETE AS DIRECTED BY THE CONTRACTING OFFICER.

D. BACKFILLING SHALL BE PLACED AND COMPACTED SIMULTANEOUSLY ON BOTH SIDES OF FOUNDATION WALLS. PROVIDE TEMPORARY BRACING OF WALLS AS NECESSARY.

5. CONCRETE

A. AT 28 DAYS, CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF:

1. 4000 p.s.i. – SLABS ON GRADE.
2. 3000 p.s.i. – ALL OTHER CONCRETE.

B. CEMENT SHALL CONFORM TO ASTM C150, TYPE II

C. AGGREGATES SHALL CONFORM TO ASTM C33.

D. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.

E. PRESTRESSING TENDONS:

PLACE REINFORCEMENT AND PROVIDE SUPPORTS FOR REINFORCING STEEL IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE OF THE CONCRETE REINFORCING STEEL INSTITUTE" (CRSI)-MSP-1.

F. REINFORCING LAP SPLICES:

MAKE LAP SPLICES ONLY AT THE LOCATIONS SHOWN ON THE DRAWINGS OR AS INDICATED IN THESE NOTES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

BASIC SPLICE LENGTH TABLE

BAR SIZE	#4	#5	#6	#7	#8	#9	#10	#11
F'C = 3,000 PSI	38"	47"	56"	82"	94"	106"	119"	132"
F'C = 4,000 PSI	33"	41"	49"	71"	81"	91"	103"	114"

G. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

H. WELDED WIRE FABRIC LAP SPLICES:

UNLESS OTHERWISE SHOWN ON THE DRAWINGS NOT LESS THAN THE SPACING OF CROSS WIRE PLUS 2 INCHES.

I. UNLESS OTHERWISE SHOWN ON THE DRAWING:

1. CONCRETE PROTECTION FOR REINFORCING STEEL SHALL BE (ACI 318):
   a. 3" FOR SURFACES CAST AGAINST EARTH AND PERMANENTLY EXPOSED TO EARTH
   b. 2" FOR FORMED SURFACES EXPOSED TO EARTH OR WEATHER FOR #6 TROUGH #18 BARS.
      1-1/2" #5 BARS, W31 OR D31 WIRE AND SMALLER.
   c. 1-1/2" FOR SLABS AND WALLS NOT EXPOSED TO EARTH OR WEATHER FOR #14 AND #18 BARS.
      3/4" FOR #11 BARS AND SMALLER.
   d. 1-1/2" FOR BEAMS AND COLUMNS NOT EXPOSED TO EARTH OR WEATHER
2. CHAMFER ALL EXPOSED CONCRETE EDGES 3/4".

J. HORIZONTAL CONSTRUCTION JOINTS SHALL BE ROUGHENED TO 1/4" AMPLITUDE. REMOVE LAITANCE AND BLOW THE SURFACE CLEAN BEFORE PLACEMENT OF ADJACENT CONCRETE.

6. STRUCTURAL STEEL

A. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.

B. STEEL PIPE COLUMNS OR SECTIONS SHALL CONFORM TO ASTM A53, GRADE B (fy = 35,000 p.s.i.), HYDRAULIC TESTING NOT REQUIRED, OR ASTM A36.

C. COLD FORMED STEEL TUBING SHALL CONFORM TO ASTM A500, GRADE B.

D. HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM A325. CONNECTIONS SHALL BE FRICTION TYPE CONNECTIONS, CLASS A SURFACE.
SPECIFIER: IF HIGHER STRESSES ARE

E. MACHINE BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A307.

F. NUTS SHALL CONFORM TO ASTM A563, HOT FORGED.

G. ALL WELDING SHALL CONFORM TO THE AWS STRUCTURAL WELDING CODE, AWS D.1.1. WELDING SHALL BE PERFORMED BY PREVIOUSLY QUALIFIED WELDERS USING E70XX, E60XX, OR EQUIVALENT ELECTRODES.

H. CONTRACTOR SHALL DESIGN ALL CONNECTIONS TO RESIST MEMBER FORCES AS INDICATED ON THE DRAWINGS U.O.N. (SEE ITEM M.). DESIGN SHALL CONFORM TO AISC ENGINEERING FOR STEEL CONSTRUCTION. WHEN COMMON PLATES, COMMON WELDS, OR COMMON BOLTS ARE USED TO CONNECT STRUCTURAL MEMBERS AT A JOINT, THEY SHALL BE DESIGNED FOR MAXIMUM STRESSES INDUCED BY ANY COMBINATION OF THE MEMBER FORCES. AXIAL FORCES SHALL BE COMBINED WITH END REACTIONS (SHEAR) IN THE DESIGN OF CONNECTIONS FOR AXIALLY-LOADED HORIZONTAL OR VERTICAL MEMBERS. AXIAL FORCES ARE DENOTED ON THE DRAWINGS BY "(+)" FOR TENSION AND "(-)" FOR COMPRESSION.

I. TRUSS MEMBERS ARE DESIGNED BASED ON THEIR GROSS SECTIONAL AREAS, ASSUMING WELDED CONNECTIONS. IF BOLTED CONNECTIONS ARE USED, CONTRACTOR SHALL ALLOW FOR BOLT HOLE REDUCTION IN THE DESIGN OF CONNECTIONS FOR MEMBERS IN TENSION AS PER LATEST AISC SPECIFICATIONS.

K. STRUCTURAL MEMBERS ARE SELECTED BASED ON AXIAL AND BENDING CAPACITIES ONLY. CONTRACTOR SHALL PROVIDE STIFFENERS FOR MEMBERS AT CONNECTIONS WHEN REQUIRED BY DESIGN, IN ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS.

L. SPLICES FOR COLUMNS AND TRUSS CHORDS SHALL BE DESIGNED FOR THE FULL CAPACITY OF THE MEMBER OF THE SMALLER SIZE.

M. CONTRACTOR SHALL USE SINGLE SHEAR PLATE CONNECTIONS WHERE POSSIBLE.

N. STITCH PLATES SHALL BE USED BETWEEN ANGLES ON DOUBLE ANGLE BRACING MEMBERS. THE LENGTH BETWEEN STITCH PLATES SHALL BE SUCH THAT THE SLENDERNESS RATIO OF THE INDIVIDUAL MEMBER ABOUT THE LEAST RADIUS OF GYRATION DOES NOT EXCEED THAT OF THE COMBINED SECTION REFERENCED ABOUT THE GREATEST RADIUS OF GYRATION.

O. UNLESS OTHERWISE NOTED ON THE DRAWINGS:

1. ALL BOLTS SHALL BE 3/4" DIAMETER.
2. ALL BOLTED CONNECTIONS SHALL BE MADE WITH HIGH STRENGTH BOLTS EXCEPT PURLIN, GIRT AND DOOR FRAME CONNECTIONS WHICH MAY BE MADE WITH MACHINE BOLTS.
3. ALL CONNECTIONS SHALL HAVE A MINIMUM OF TWO BOLTS, OR EQUIVALENT WELD CAPACITY.
4. WHERE CONNECTION DETAILS OF BEAMS ARE NOT SHOWN, THE FABRICATOR SHALL DESIGN THE CONNECTIONS FOR THE FOLLOWING FORCES:

NOMINAL BEAM DEPTH IN INCHES	END REACTIONS (SHEAR)
6 TO 8	15 KIPS
10 TO 15	22 KIPS
16 AND 18	30 KIPS
21 AND 24	45 KIPS
27 AND 30	60 KIPS
33 AND 36	85 KIPS

P. CONTRACTOR SHALL SUBMIT CONNECTION DESIGN DETAILS, CALCULATIONS AND SHOP DRAWINGS FOR ALL CONNECTIONS AND AFFECTED MEMBERS TO THE CONTRACTING OFFICER FOR REVIEW AND APPROVAL. THE DESIGN CALCULATIONS SHALL BE DONE AND STAMPED BY A PROFESSIONAL STRUCTURAL ENGINEER, LICENSED IN THE STATE OF NEW YORK. CONTRACTOR SHALL RECEIVE APROVAL FROM THE CONTRACTING OFFICER ON ALL CONTRACTOR-SUBMITTED DOCUMENTS BEFORE BEGINNING FABRICATION.

Q. FABRICATOR SHALL BE REGISTERED WITH AND CERTIFIED BY AISC. IF FABRICATOR IS NOT REGISTERED AND CERTIFIED WITH AISC, FABRICATOR MUST PROVIDE SHOP INSPECTION AND TEST PROCEDURES AS OUTLINED IN THE SPECIFICATIONS.

R. ALL WELDING TO TENSION FLANGES OF BEAMS AND TENSION CHORDS OF TRUSSES SHALL BE COMPLETED BEFORE ERECTION OF THESE MEMBERS.

S. GUSSET PLATES SHALL BE 3/8 MIN. THICKNESS.

T. COLUMN ENDS SHALL BE MILLED OR SAW CUT FOR FULL BEARING AT BASE PLATES.

Y. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO REQUIREMENTS OF AISC ASD OR LRFD.

7. STEEL DECKING

A. GALVANIZED STEEL FOR DECKING SHALL CONFORM TO ASTM 446, GRADE A.

B. ROOF DECKING SHALL BE HOT DIP GALVANIZED WITH A G-60 OR A-60 COATING CLASS (0.30 OZ. PER SQUARE FOOT EACH FACE) CONFORMING TO ASTM A525.

C. FLOOR DECKING SHALL BE HOT DIP GALVANIZED WITH A G-40 OR A-40 COATING CLASS CONFORMING TO ASTM A525.

D. THICKNESS (GAUGE) AND DEPTH OF DECKING SHALL BE AS INDICATED ON THE DRAWINGS.

E. DECK UNITS SHALL BE 3 SPAN CONTINUOUS WHEREVER POSSIBLE.

F. PLACING OF DECK UNITS SHALL BE ARRANGED SO THAT END LAPS ARE STAGGERED.

G. ATTACHMENTS TO SUPPORTING STEEL SHALL BE DESIGNED BY THE FABRICATOR TO RESIST FORCES AND SHEARS AS INDICATED ON THE DRAWINGS.

H. FLOOR DECK UNITS DESIGNED TO ACT COMPOSITELY WITH CONCRETE FILL SHALL BE FORMED WITH INTEGRAL LOCKING LUGS OR EMBOSSMENTS TO PROVIDE A MECHANICAL LOCK BETWEEN THE STEEL DECK AND THE CONCRETE SLAB.

I. FOR OPENINGS LESS THAN 24" PARALLEL TO FLUTES, PROVIDE MINOR DECK REINFORCING IN ACCORDANCE WITH VERCO CATALOGUE V-20 EXCEPT THAT FOR ROOF DECKING THE REINFORCING SHALL BELOW THE DECK.

8. ERECTION

TEMPORARY BRACING SHALL BE USED TO LATERALLY SUPPORT THE STRUCTURAL STEEL, CONCRETE, MASONRY FRAMEWORK UNTIL THE STEEL DECKING IS WELDED, CONCRETE HAS BEEN CURED FOR 10 DAYS, BRACING IS IN PLACE, DIAPHRAGMS ARE IN PLACE, SHEAR WALLS ARE IN PLACE AND CURED FOR 10 DAYS, AND MEMBER CONNECTIONS HAVE BEEN COMPLETED.

9. COORDINATION

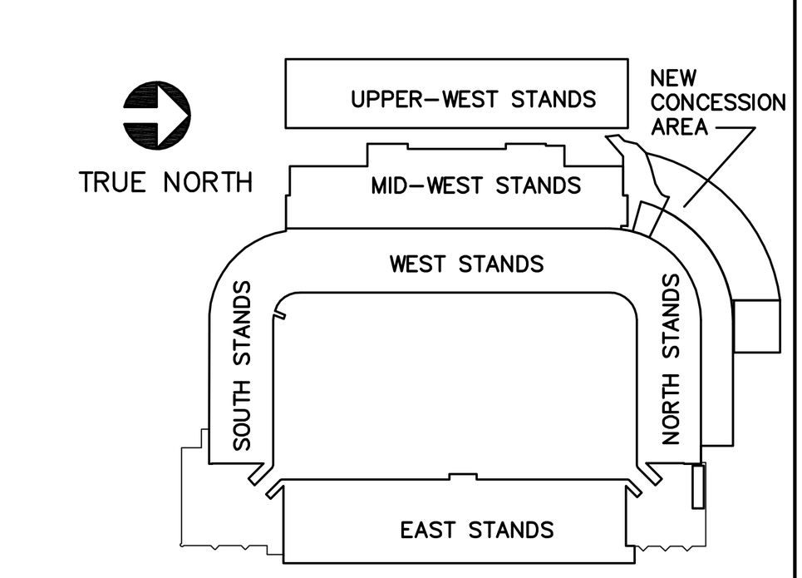
ALL PIPING, CONDUIT, FLOOR DRAINS AND SLAB PENETRATIONS SHALL BE VERIFIED WITH MECHANICAL AND ELECTRICAL DRAWINGS BEFORE COMMENCING CONSTRUCTION.

ABBREVIATIONS

AB	ANCHOR BOLT
ABT	ABOUT
AC	ASPHALTIC CONCRETE
ADDL	ADDITIONAL
ADJ	ADJACENT
AGG	AGGREGATE
ALTN	ALTERNATE(LY)
ANCH	ANCHOR
ARCH	ARCHITECTURAL
&	AND
@	AT
AVG	AVERAGE
AWS	AMERICAN WELDING SOCIETY
B/B	BACK TO BACK
BET	BETWEEN
BC	BOLT CIRCLE
BDY	BOUNDARY
BLDG	BUILDING
BLK	BLOCK
BM	BEAM
BOB P L	BOTTOM OF BASE PLATE
BOC	BOTTOM OF CONCRETE
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
BRKT	BRACKET
BRG	BEARING
CALC	CALCULATIONS
CB	CATCH BASIN
C/C	CENTER TO CENTER
CF	CURB FACE
CHD	CHORD
CHKD P L	CHECKERED PLATE
CIP	CAST IN PLACE
CJ	CONSTRUCTION JOINT
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUED, CONTINUOUS
CORR	CORRUGATED
?	CENTER LINE
CONST	CONSTRUCTION
CONTR	CONTRACTOR
CP	COMPLETE PENETRATION
CTR	CENTER
CTRJ	CONTROL JOINT
DB	DEFORMED BAR
DL	DEAD LOAD
DEG OR °	DEGREE
DET	DETAIL
DIA OR ø	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DO	DITTO
DWG	DRAWING
DWL	DOWEL(S)
E	EAST
EA	EACH
EF	EACH FACE
ELECT	ELECTRICAL
EL	ELEVATION
ELEV	ELEVATOR
EMBED	EMBEDDED
ENGR	ENGINEER
EQ	EQUAL
EQPT	EQUIPMENT
EW	EACH WAY
EJ	EXPANSION JOINT
EXP	EXPANSION
EXT	EXTERIOR
EXST/(E)	EXISTING
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FAR FACE
FIN	FINISH
FLR	FLOOR
FLG	FLANGE
FOW	FACE OF CMU/ CONC WALL
FP	FLOOR PANEL OR FULL PENETRATION (WELDING)
FT/'	FOOT/FEET
FTG	FOOTING
FS	FAR SIDE
GA	GUAGE
GALV	GALVANIZED
GL	GIRT LINE
GR	GUARDRAIL
GRTG	GRATING
GEN	GENERAL
HD	HOLD DOWN
HT	HEIGHT
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HANDRAIL
HS	HIGH STRENGTH

ID	INSIDE DIAMETER
IJ	ISOLATION JOINT
IN/ "	INCHES
INT	INTERIOR
INTMD	INTERMEDIATE
INTSCT	INTERSECTION
INV	INVERT
GA	GUAGE
GALV	GALVANIZED
GL	GIRT LINE
GR	GUARDRAIL
GRTG	GRATING
GEN	GENERAL
HD	HOLD-DOWN
HT	HEIGHT
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HANDRAIL
HS	HIGH STRENGTH
IBC	INTERNATIONAL BUILDING CODE
JT	JOINT
KIP	KILO POUNDS
KSF	KIPS PER SQUARE FOOT
L	LENGTH
LABC	LOS ANGELES BUILDING CODE
LBS/#	POUNDS
LIN FT	LINEAR FEET
LG	LONG
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LN	LINE
LONG'L	LONGITUDINAL
LP	LOW POINT
LT	LEFT
LTWT	LIGHT WEIGHT
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MK	MARK
ML	MATCH LINE
MPH	MILES PER HOUR
N	NORTH
NF	NEAR FACE
NIC	NOT IN CONTRACT
NO/#	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OMRF	ORDINARY MOMENT RESISTING FRAME
OPNG	OPENING
OPP	OPPOSITE
ORIG	ORIGINAL
PERP	PERPENDICULAR
PCF	POUNDS PER CUBIC FOOT
P OR PL	PLATE
PLATF	PLATFORM
PLCS	PLACES
PLF	POUNDS PER LINEAR FOOT
PP	PARTIAL PENETRATION
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PVC	POLYVINYLCHORIDE
PVMNT	PAVEMENT
QTY	QUANTITY
R	RISER
RAD	RADIUS
RB	RAMP BEAM
RC	REINFORCED CONCRETE
RCD	RECORD
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REF	REFERENCE
REINF	REINFORCEMENT
REQMT	REQUIREMENT
REQD	REQUIRED
REV	REVISED
RR	RAILROAD
RT	RIGHT
S	SOUTH
SAD	SEE ARCHITECTURAL DRAWINGS

P OR PL	PLATE
PLATF	PLATFORM
PLCS	PLACES
PLF	POUNDS PER LINEAR FOOT
PP	PARTIAL PENETRATION
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PVC	POLYVINYLCHORIDE
PVMNT	PAVEMENT
QTY	QUANTITY
R	RISER
RAD	RADIUS
RB	RAMP BEAM
RC	REINFORCED CONCRETE
RCD	RECORD
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REF	REFERENCE
REINF	REINFORCEMENT
REQMT	REQUIREMENT
REQD	REQUIRED
REV	REVISED
RR	RAILROAD
RT	RIGHT
S	SOUTH
SAD	SEE ARCHITECTURAL DRAWINGS
SCHED	SCHEDULE
SECT	SECTION
SS	STAINLESS STEEL
SHT	SHEET
SIM	SIMILAR
SOG	SLAB-ON-GRADE
SPA	SPACES OR SPACING
SPEC	SPECIFICATIONS
SQ	SQUARE
SQ FT	SQUARE FEET
STD	STANDARD
STIFF	STIFFENER
STIRR	STIRRUP(S)
STL	STEEL
STRL	STRUCTURAL
SYMM	SYMMETRICAL
T	TREAD
TC	TOP CORD
T & B	TOP AND BOTTOM
TEMP	TEMPORARY
THD	THREAD OR THREADED
THK	THICK OR THICKNESS
TOC	TOP OF CONCRETE
TOG	TOP OF GROUND
TOP	TOP OF PAVEMENT
TOR	TOP OF RAIL
TOS	TOP OF STEEL
TOT	TOTAL
TOW	TOP OF WALL
TRANSV	TRANSVERSE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UNO	UNLESS NOTED OTHERWISE
UB	UTILITY BOX
UBC	UNIFORM BUILDING CODE
UFC	UNIFORM FIRE CODE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WEST (FOR DIRECTION) WIDTH (FOR DIMENSION)
WC	WIND COLUMN
WL	WORK LINE
WP	WORK POINT
W/	WITH
W/O	WITHOUT
WT	WEIGHT



KEY PLAN
N.T.S.

STATE OF NEW YORK
029383

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.

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Serial No.: | Project ID: | File No.: 7687-16487 | Date: 06.28.05
Supervised by: | Designed by: | Checked by: TS;

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WAYNE
PARAMUS
NYC
BUFFALO

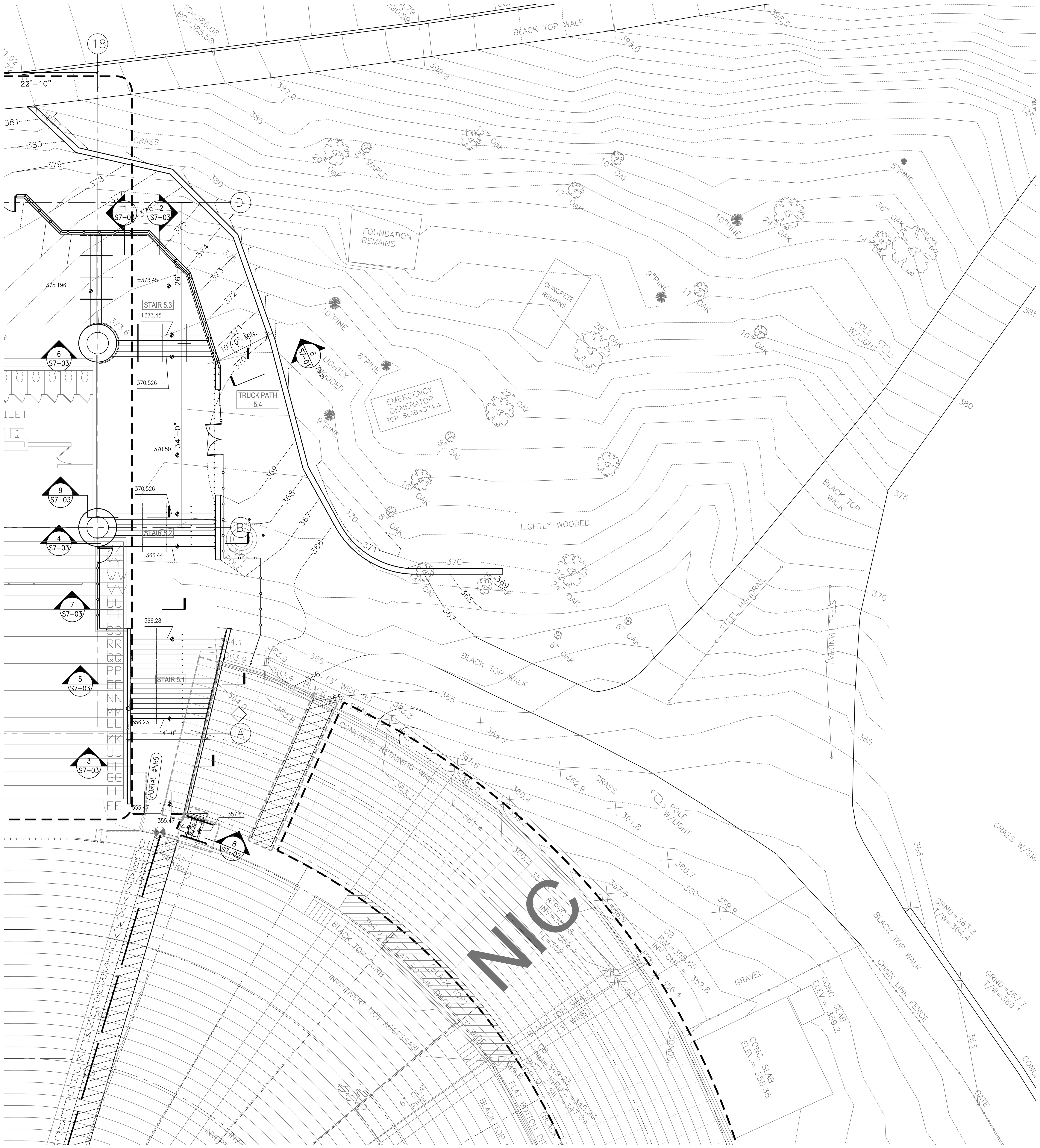
URS

PROJECT TITLE: BID
MICHIE STADIUM – PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD
WEST POINT, NEW YORK

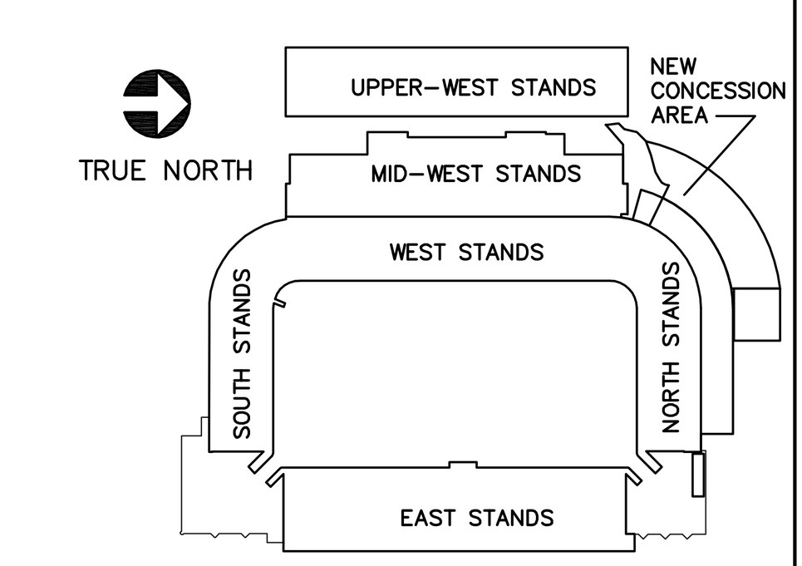
STRUCTURAL GENERAL NOTES AND ABBREVIATIONS

DRAWING
S0-01

5 | 4 | 3 | 2 | 1



1 PLAN – NORTH-WEST BLEACHERS
S1-01 SCALE: 1/8" = 1'-0"



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PROJECT TITLE: BID
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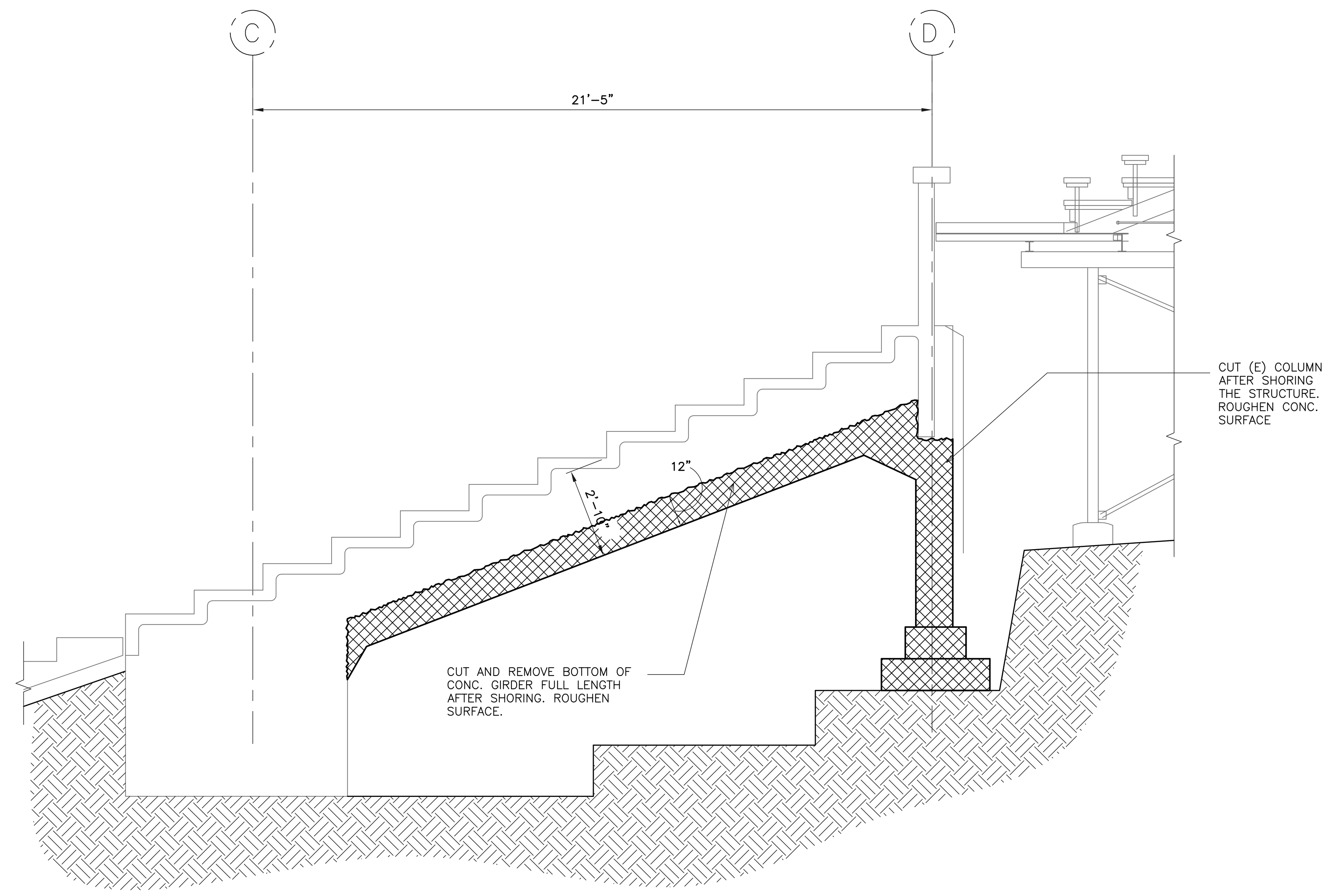
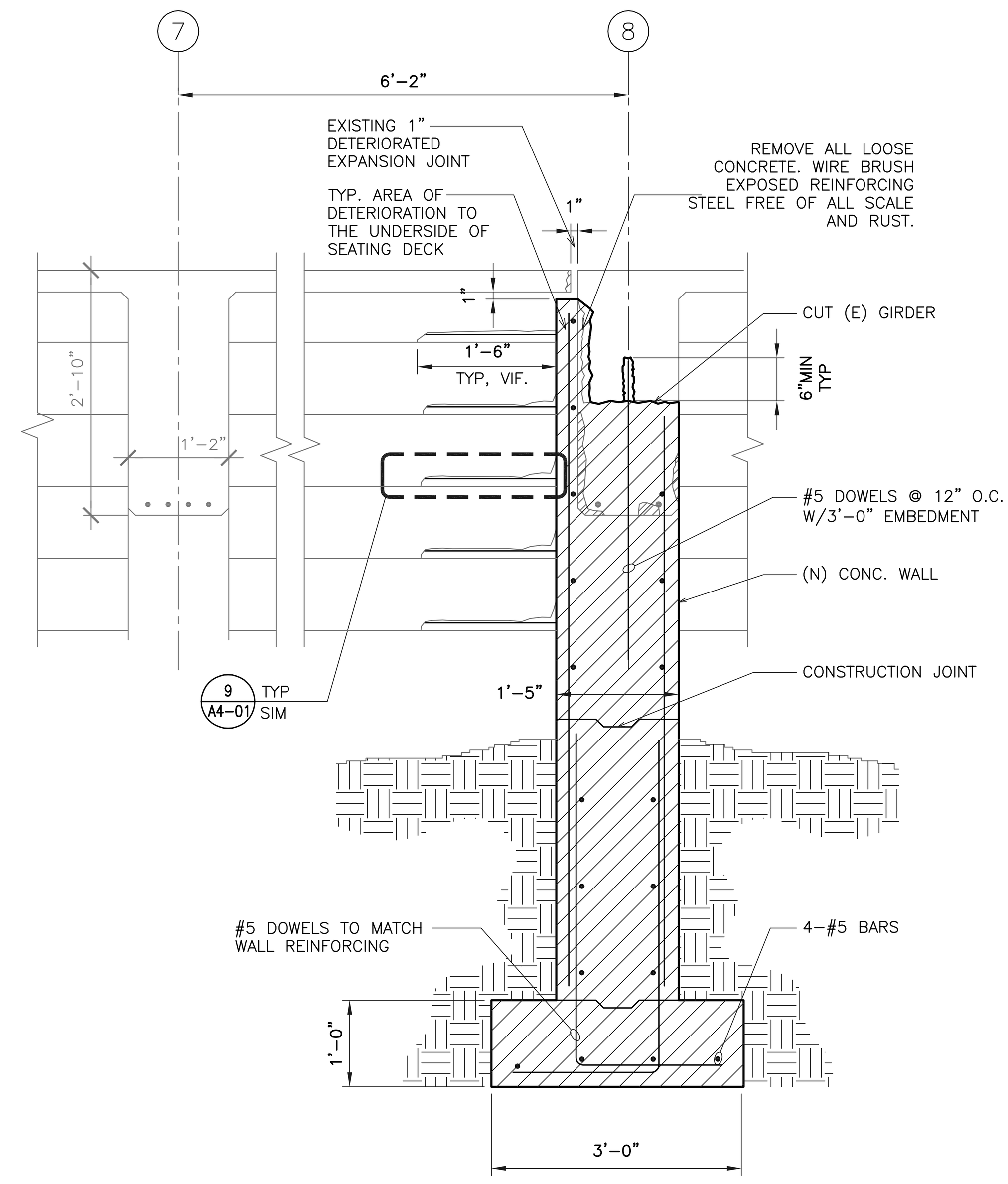
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD
WEST POINT, NEW YORK

PLAN
NORTHWEST EGRESS STAIR TO GATE 5.

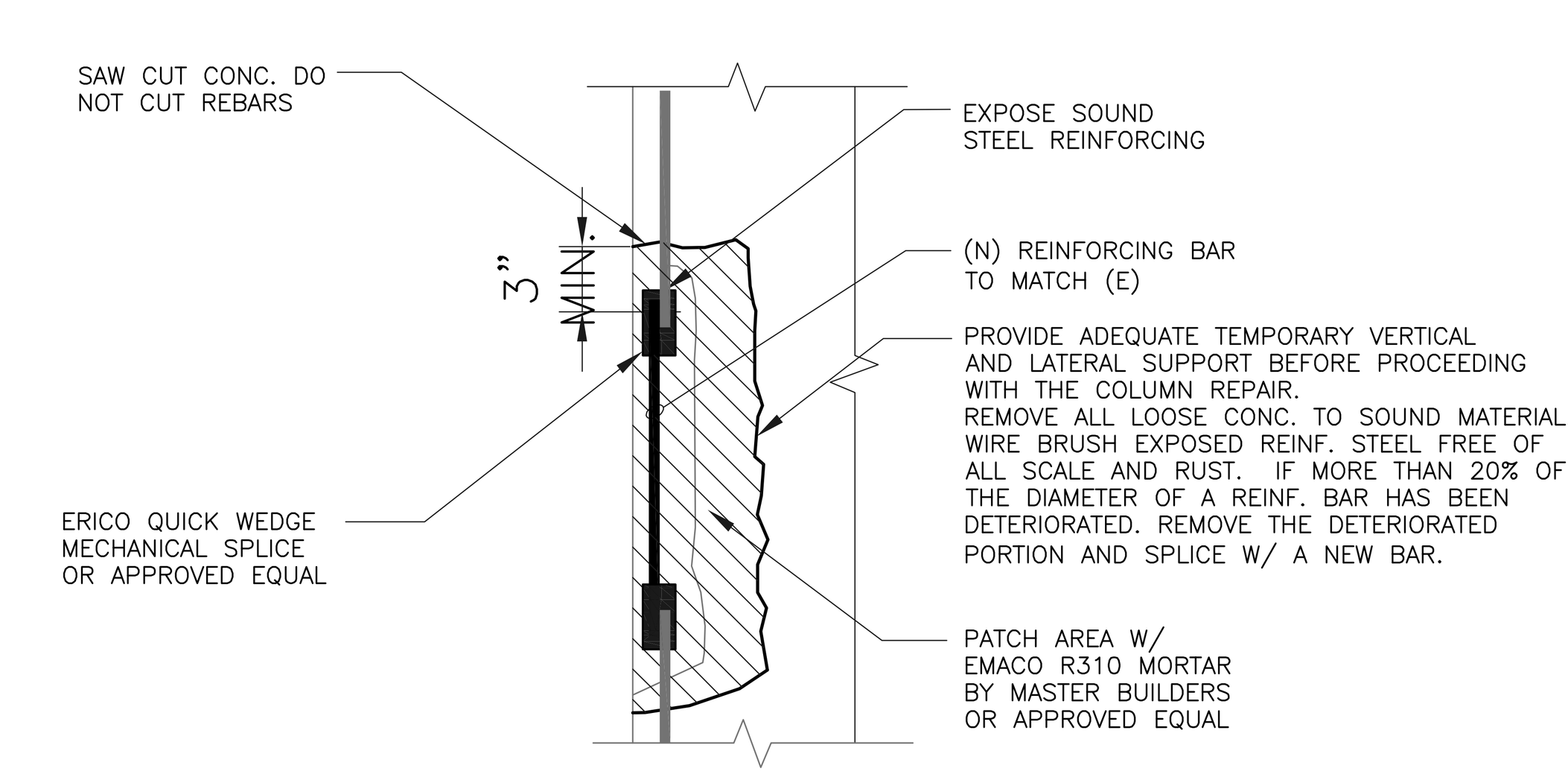
DRAWING
S1-01



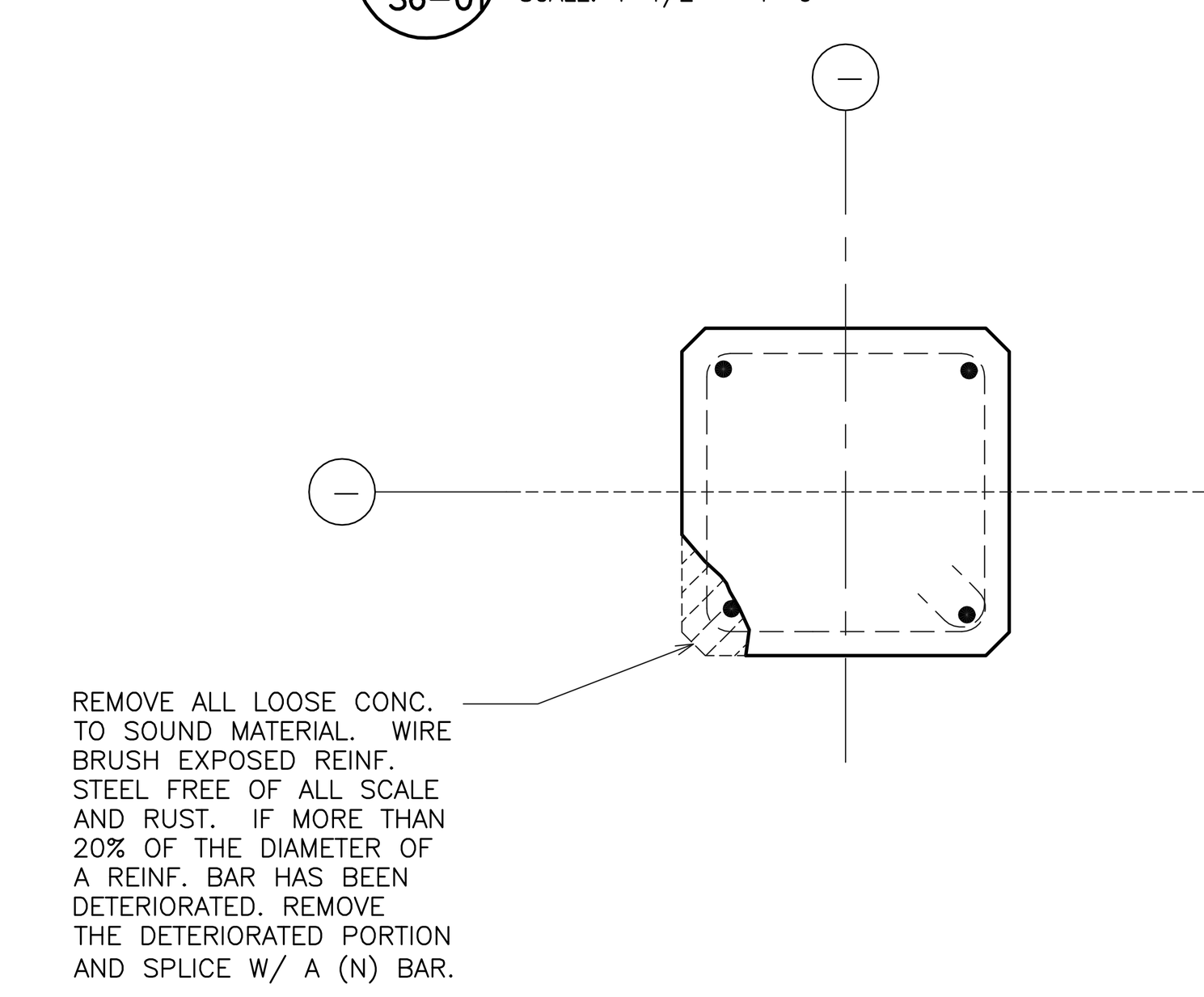
1D DEMOLITION AT COL. LINE 7 AND 8
S6-01 SCALE: 3/8" = 1'-0"



2 COLUMN LINE 8 AND GIRDER REPAIR
S6-01 SCALE: 3/4" = 1'-0"



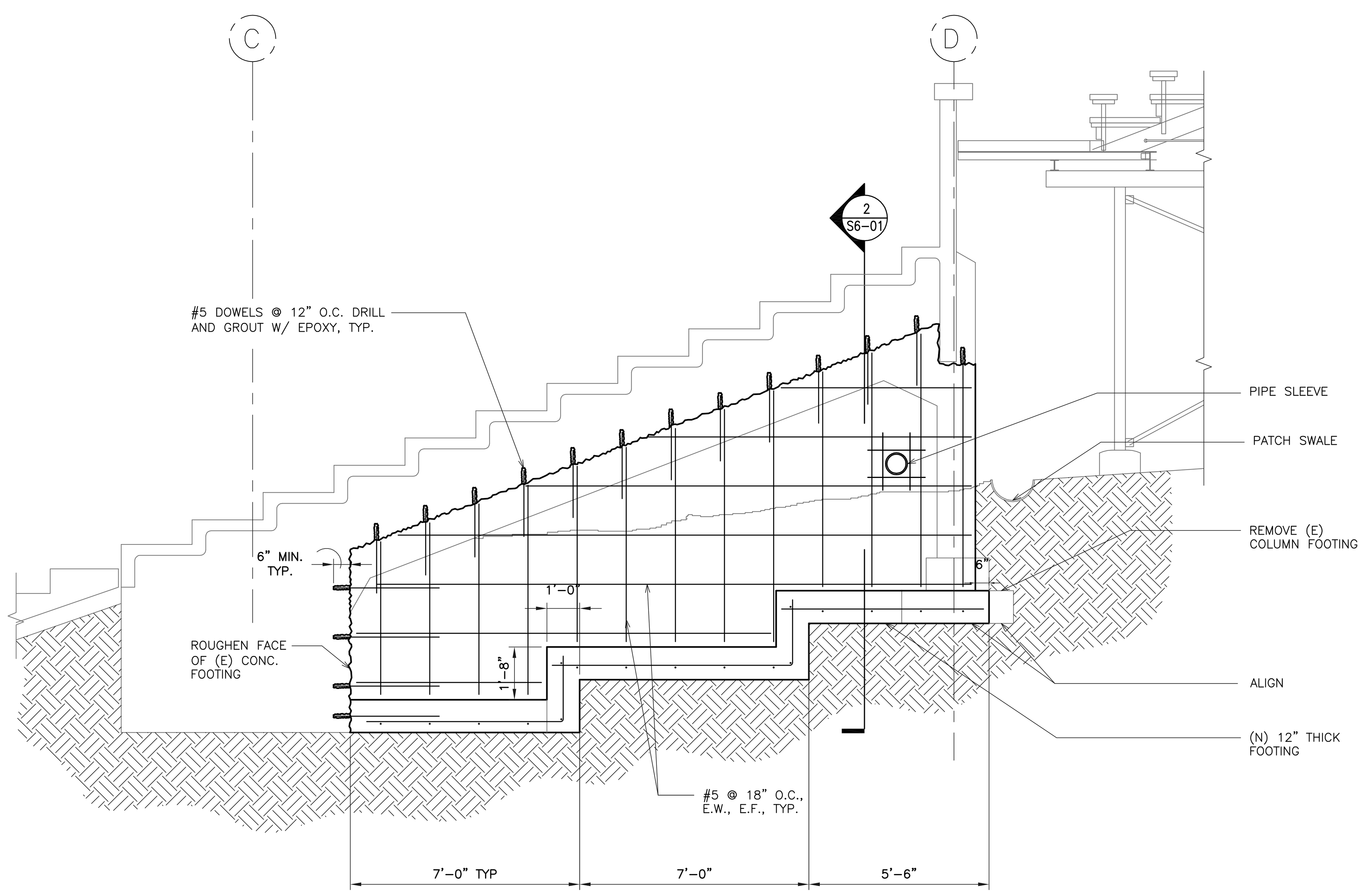
3 COLUMN 56/C AND 46/D
COLUMN REPAIR DETAIL – ELEVATION
S6-01 SCALE: 1-1/2" = 1'-0"



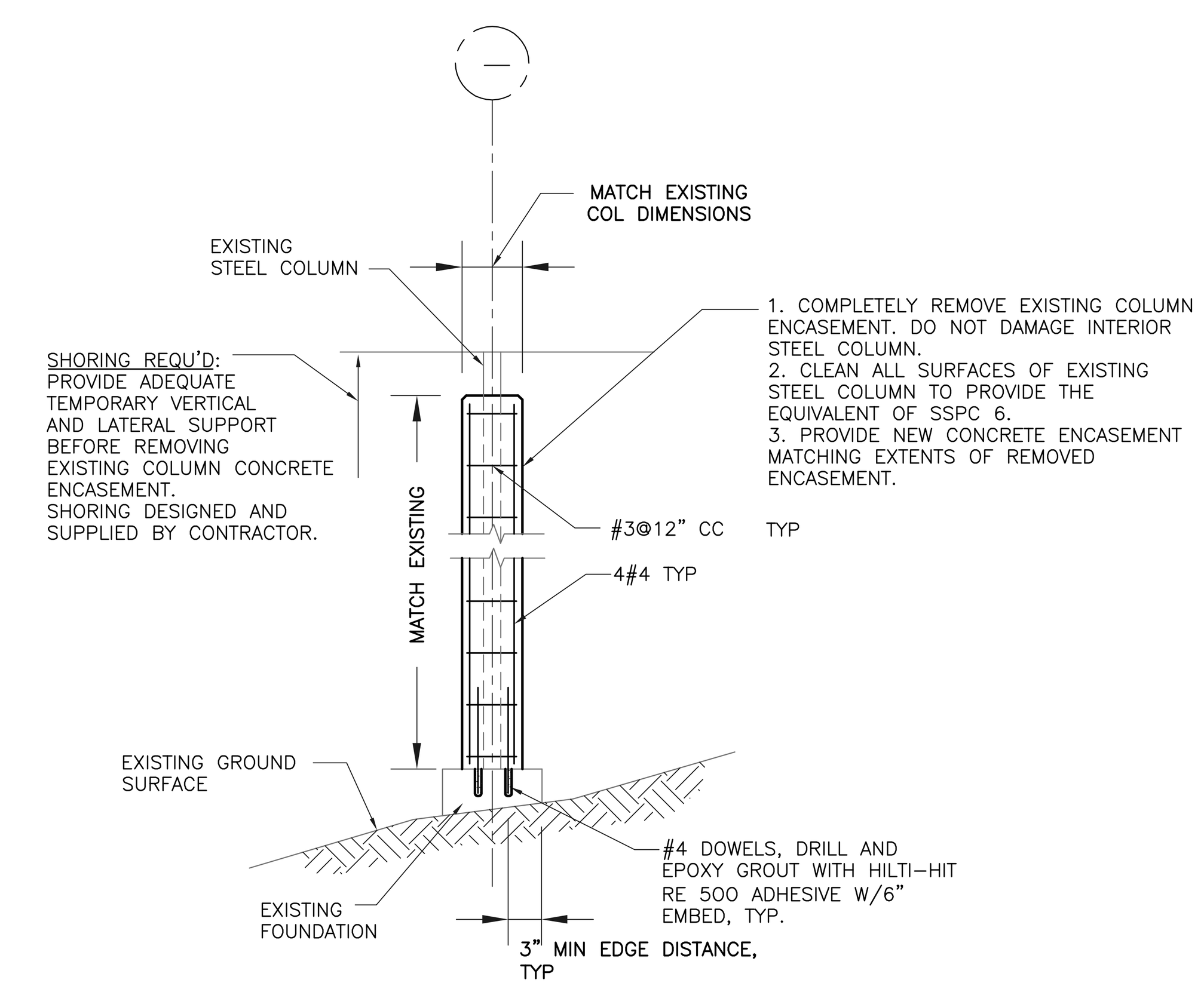
4 COLUMN 56/C AND 46/D
COLUMN REPAIR DETAIL – PLAN VIEW
S6-01 SCALE: 1-1/2" = 1'-0"

GENERAL NOTE:

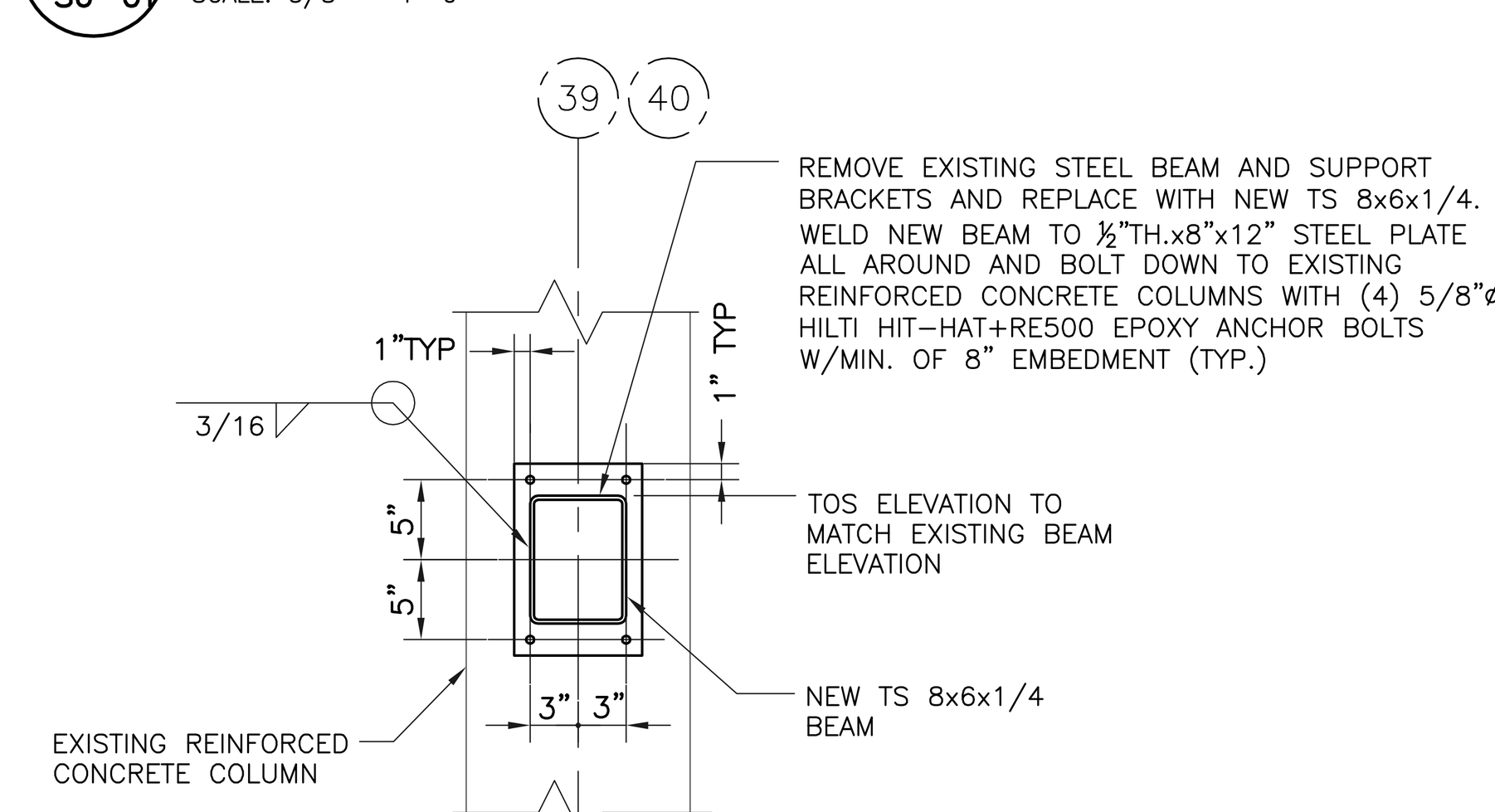
COAT EXPOSED AND NEW REINFORCING STEEL WITH RUST INHIBITOR/BONDING AGENT SIKA ARMITEC OR APPROVED EQUAL.



1 REPAIRS ALONG COL. LINE 7 AND 8
S6-01 SCALE: 3/8" = 1'-0"

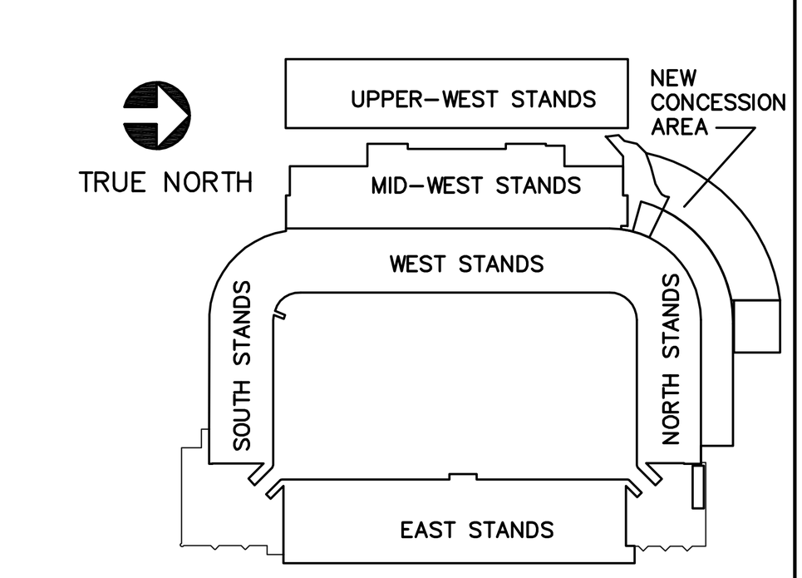


5 COLUMN LINE 10
CONCRETE ENCASEMENT REPLACEMENT DETAIL
S6-01 SCALE: 3/8" = 1'-0"



NOTE:
WHEN INSTALLING DRILLED-IN ANCHORS IN EXISTING REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR

6 NEW BEAM BETWEEN COLUMN LINES 39 & 40
S6-01 SCALE: 1" = 1'-0"



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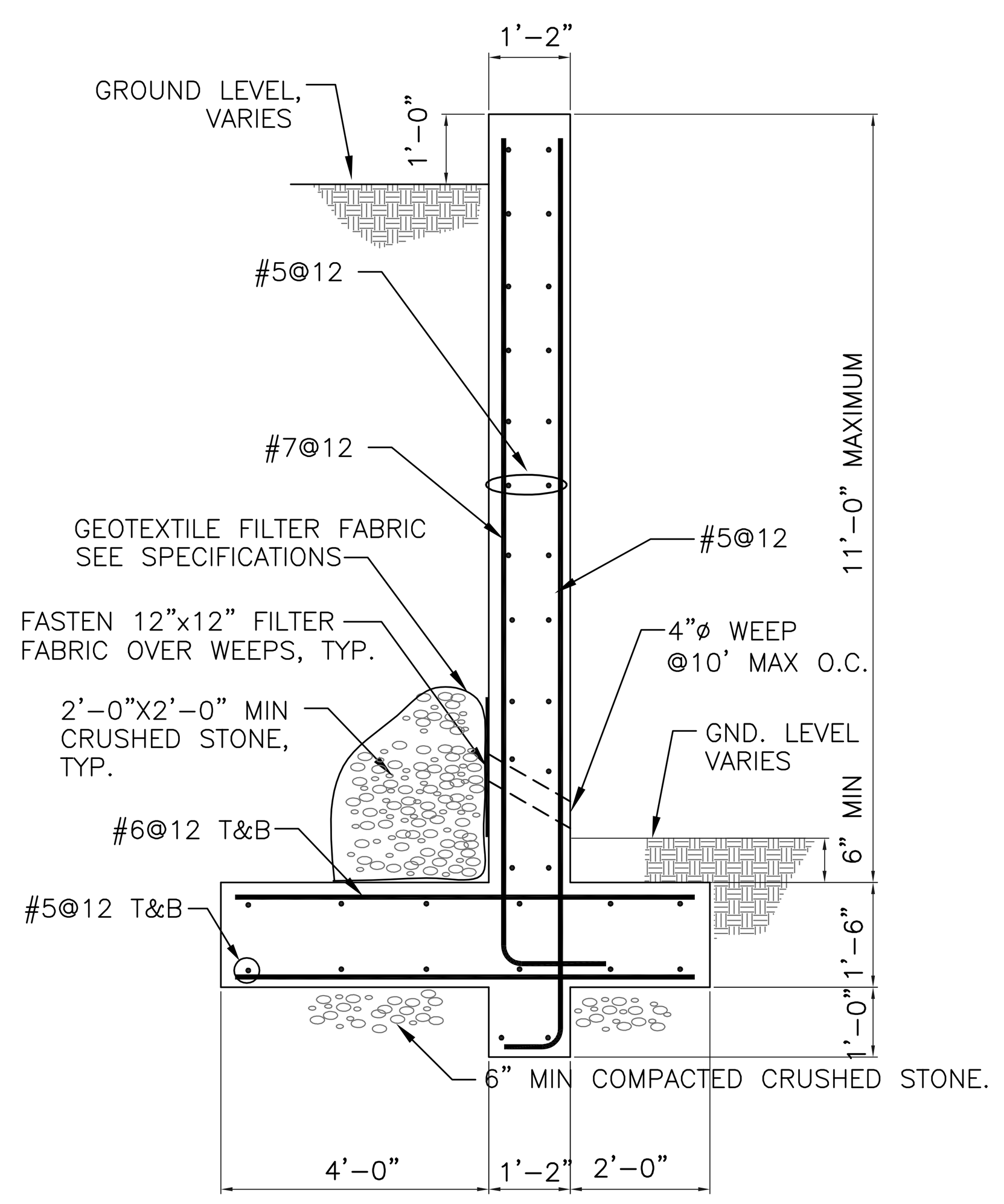
PROJECT TITLE: BID
MICHIE STADIUM – PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK

TYPICAL CONCRETE RESTORATION DETAILS

DRAWING
S6-01

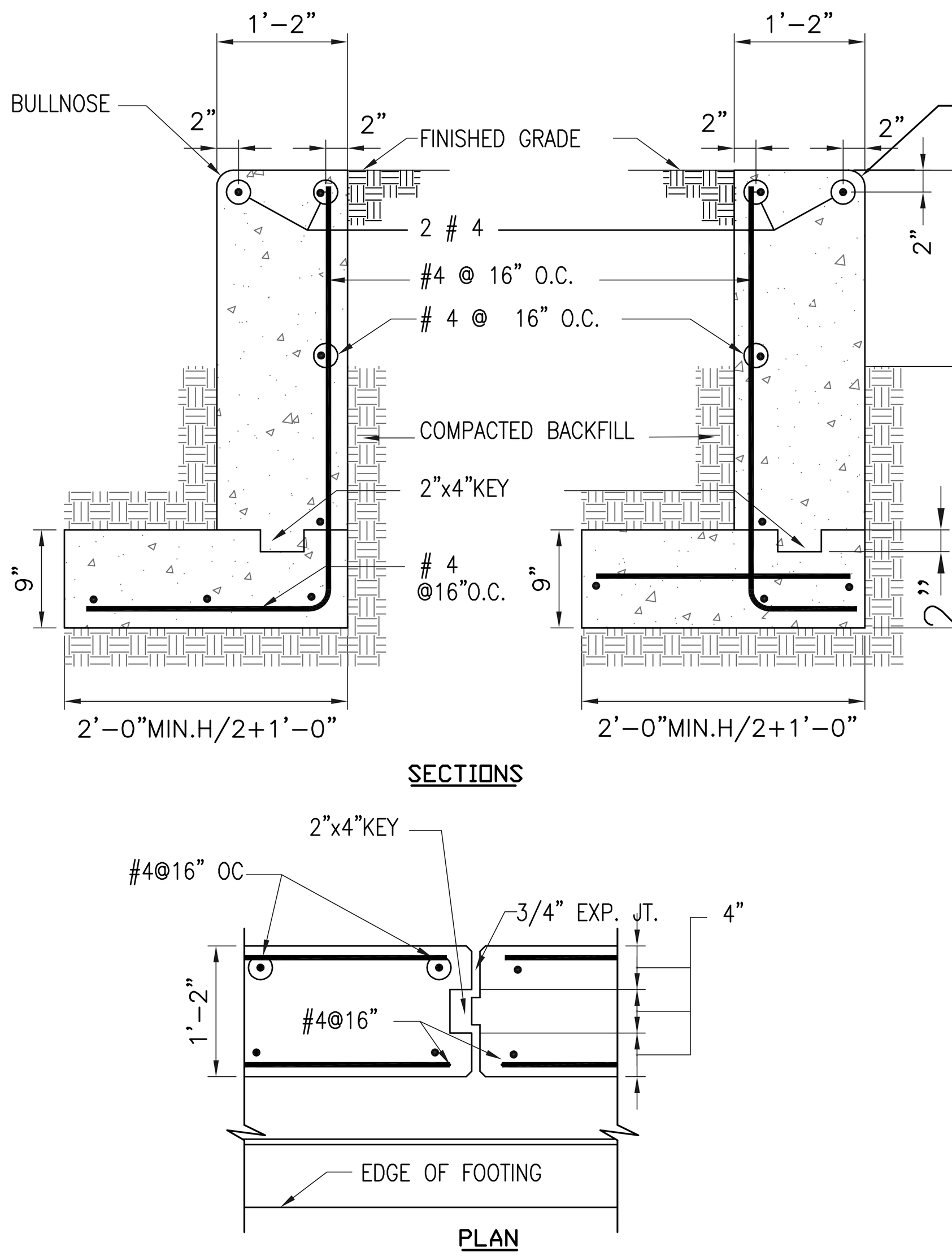
NOTES:

1. CAST ALL VERTICAL AND HORIZONTAL WALL BOUNDARIES 5" CLEAR OF ADJACENT CONCRETE SURFACES (CLR OF FOUNDATIONS, COLUMNS, COLUMN ENCASEMENTS, AND BEAMS).
2. INSTALL PERMANENT ELASTOMERIC SEAL (WABOFLEX OR EQUAL) TO PREVENT SOIL ENTRY BETWEEN WALL AND ADJACENT CONCRETE SURFACES. (ELASTOMERIC SEAL IS NOT REQUIRED AT FOUNDATION BASE OF WALL).



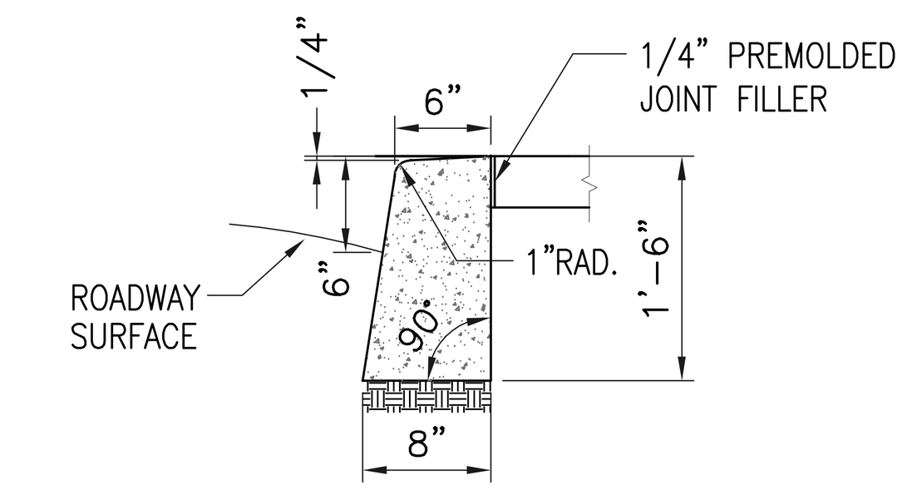
RETAINING WALL
FOR MAX 10FT HIGH RETAINED SOIL

1 / S7-01 TYPICAL RETAINING WALL DETAIL
SCALE: 1/2" = 1'-0"



TYPICAL CONC. CURB DETAIL FOR
GRADE DIFFERENCES OF 1'-6" TO 3'-0"

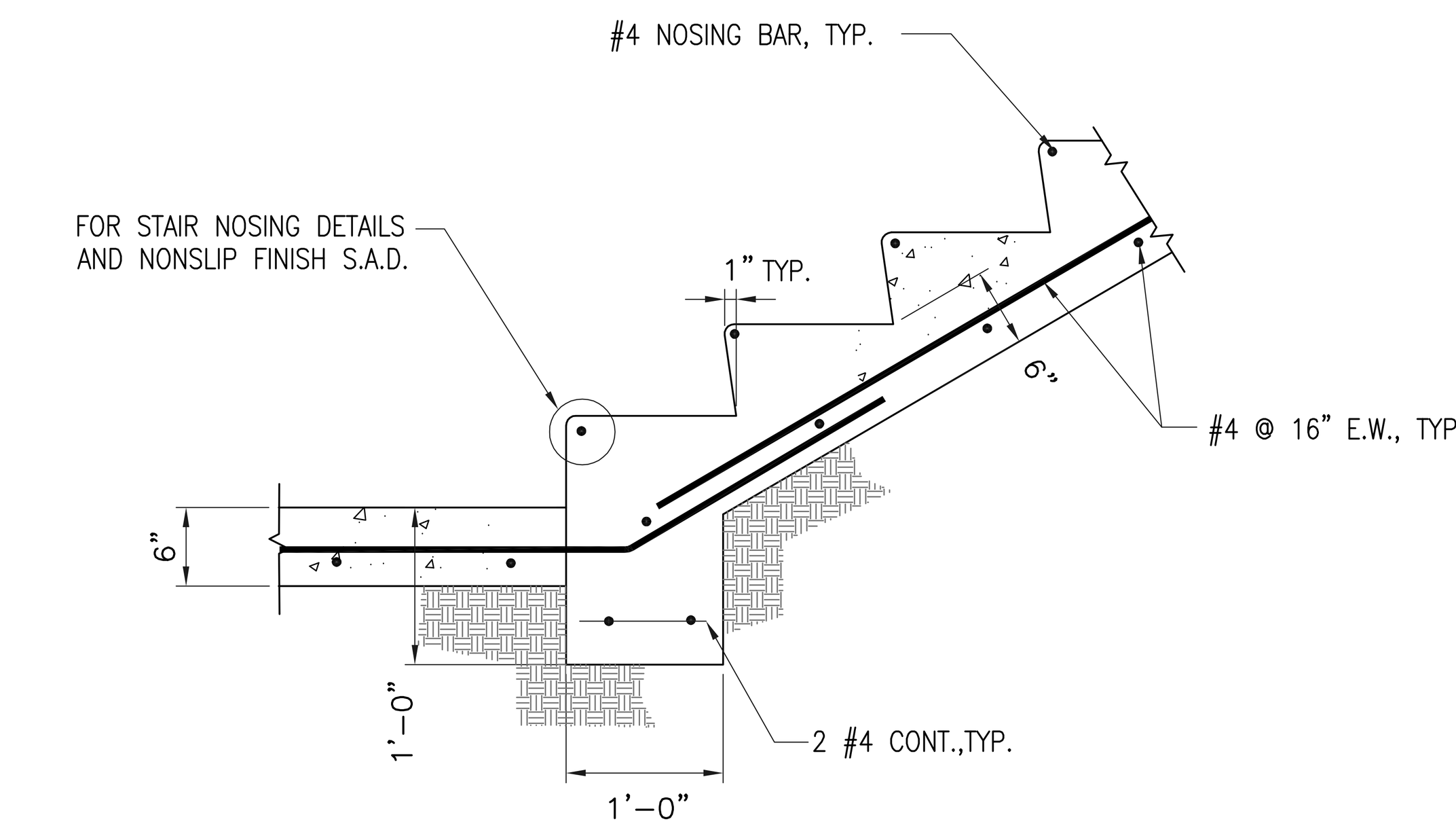
2 / S7-01 TYPICAL CONCRETE CURB DETAILS
SCALE: 1" = 1'-0"



3 / S7-01 TYPICAL CONC CURB DETAIL
SCALE 1"=1'-0

NOTES:

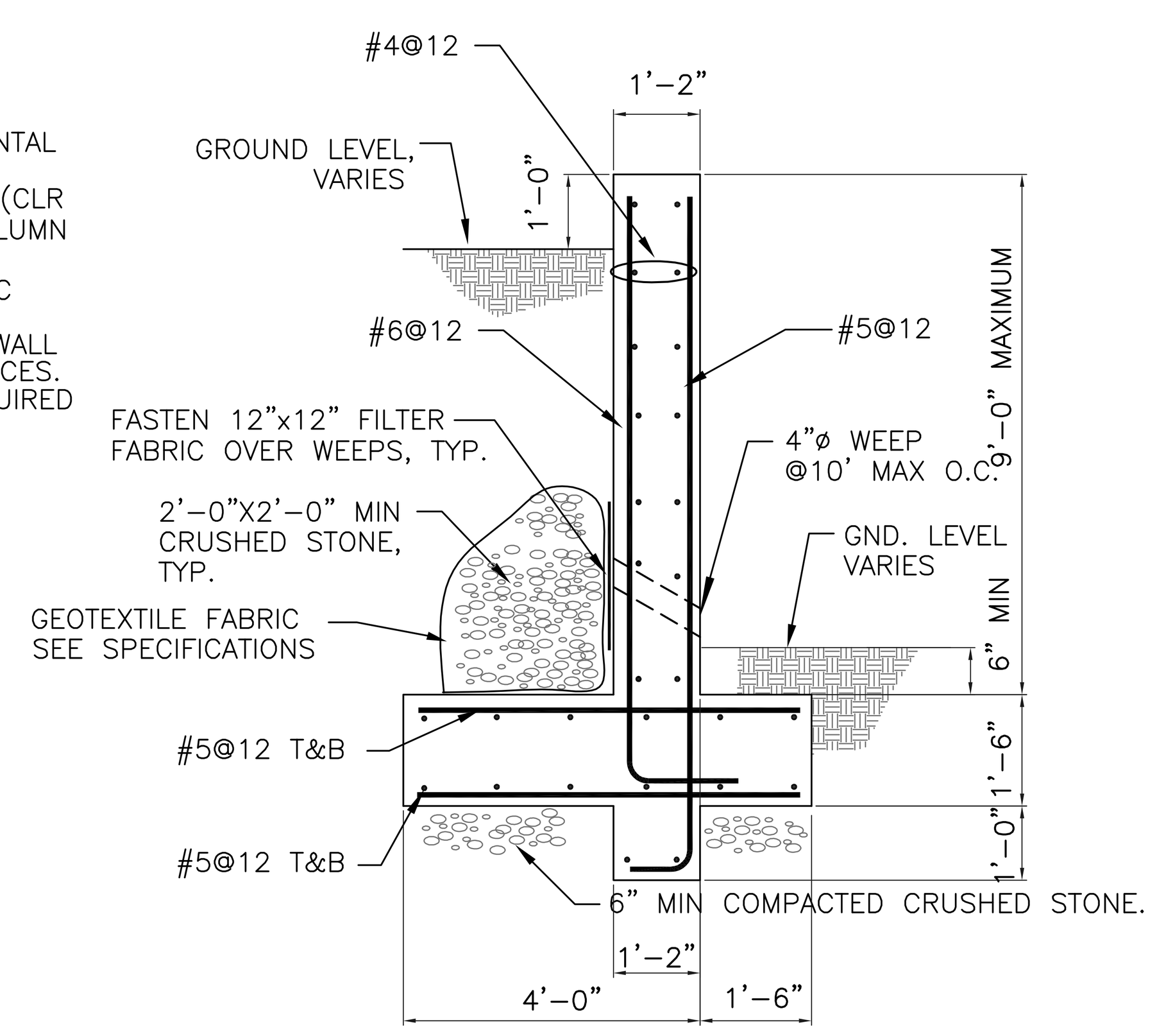
1. FOR GENERAL NOTES AND ABBREVIATIONS SEE DWG S0-1.



5 / S7-01 TYPICAL STAIR TERMINATION DETAIL
SCALE 1"=1'-0

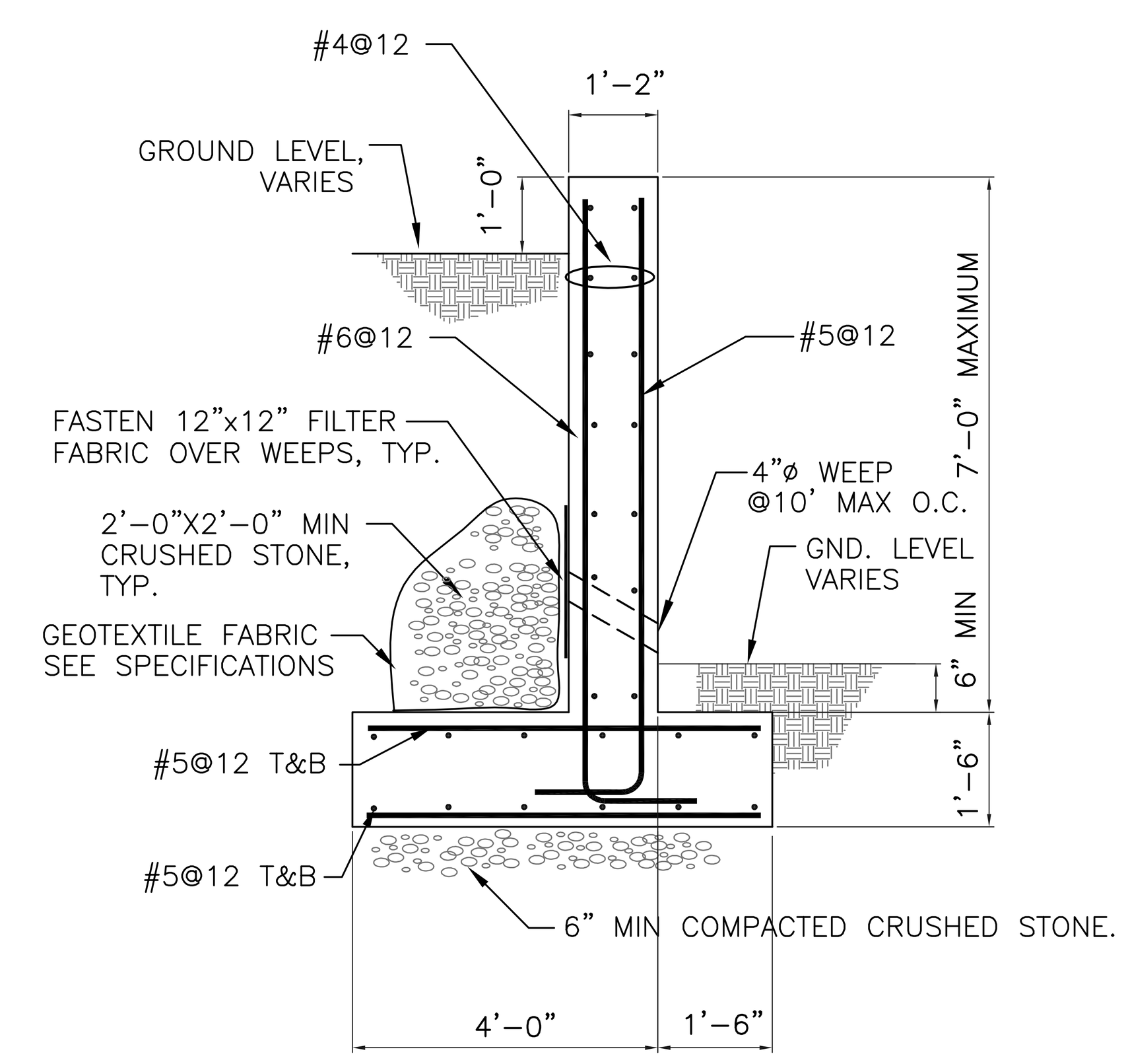
NOTES:

1. CAST ALL VERTICAL AND HORIZONTAL WALL BOUNDARIES 5" CLEAR OF ADJACENT CONCRETE SURFACES (CLR OF FOUNDATIONS, COLUMNS, COLUMN ENCASEMENTS, AND BEAMS).
2. INSTALL PERMANENT ELASTOMERIC SEAL (WABOFLEX OR EQUAL) TO PREVENT SOIL ENTRY BETWEEN WALL AND ADJACENT CONCRETE SURFACES. (ELASTOMERIC SEAL IS NOT REQUIRED AT FOUNDATION BASE OF WALL).



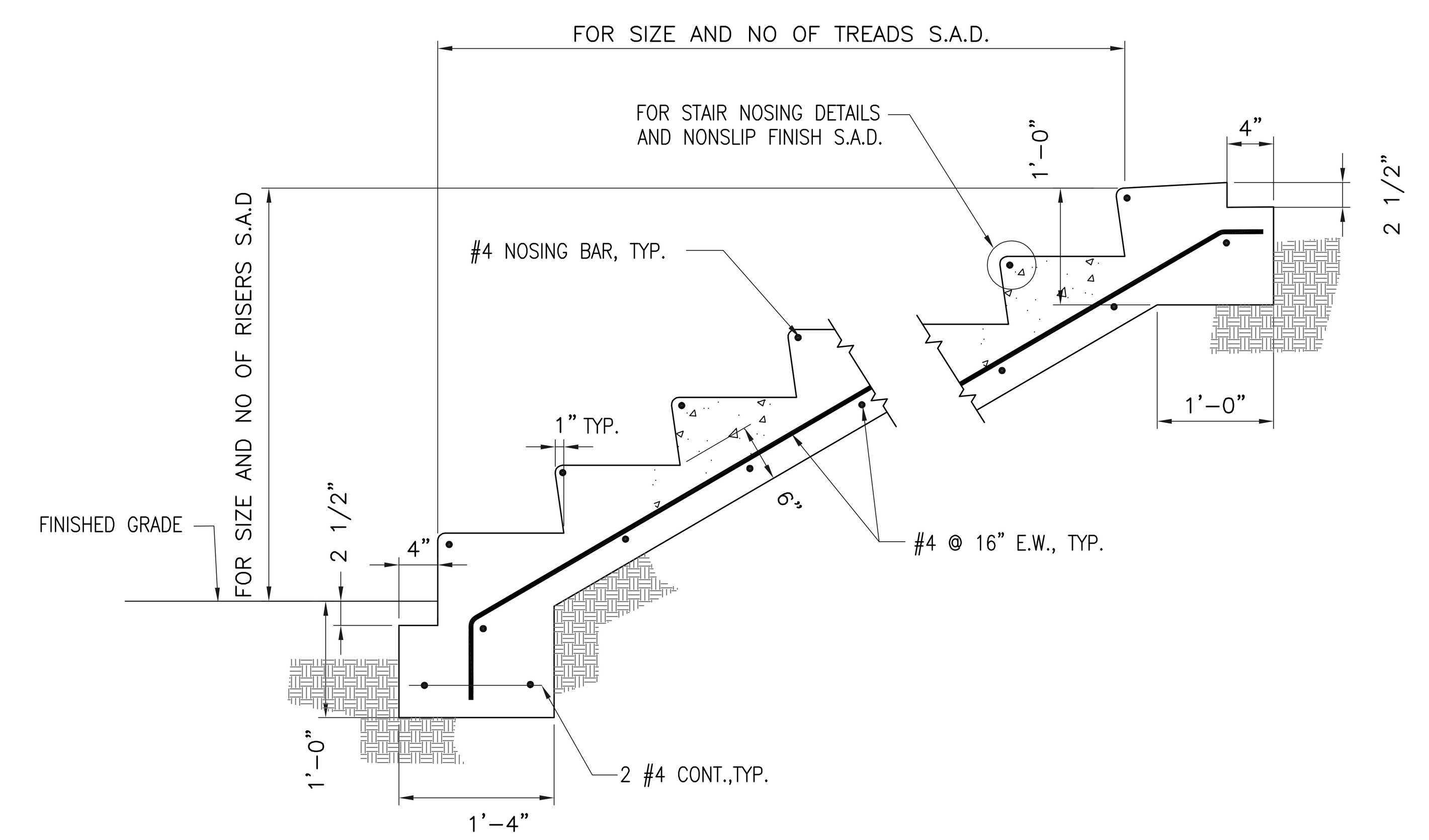
RETAINING WALL
FOR MAX 8FT HIGH RETAINED SOIL

6 / S7-01 TYPICAL RETAINING WALL DETAIL
SCALE: 1/2" = 1'-0"

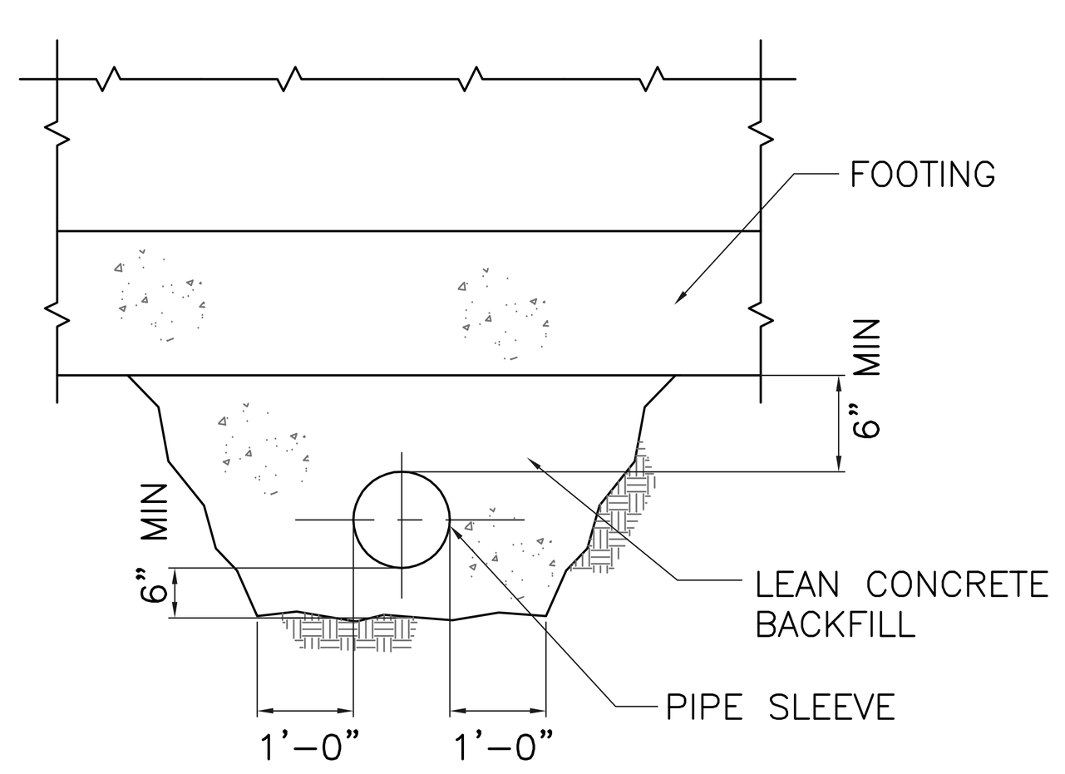


RETAINING WALL
FOR MAX 6FT HIGH RETAINED SOIL

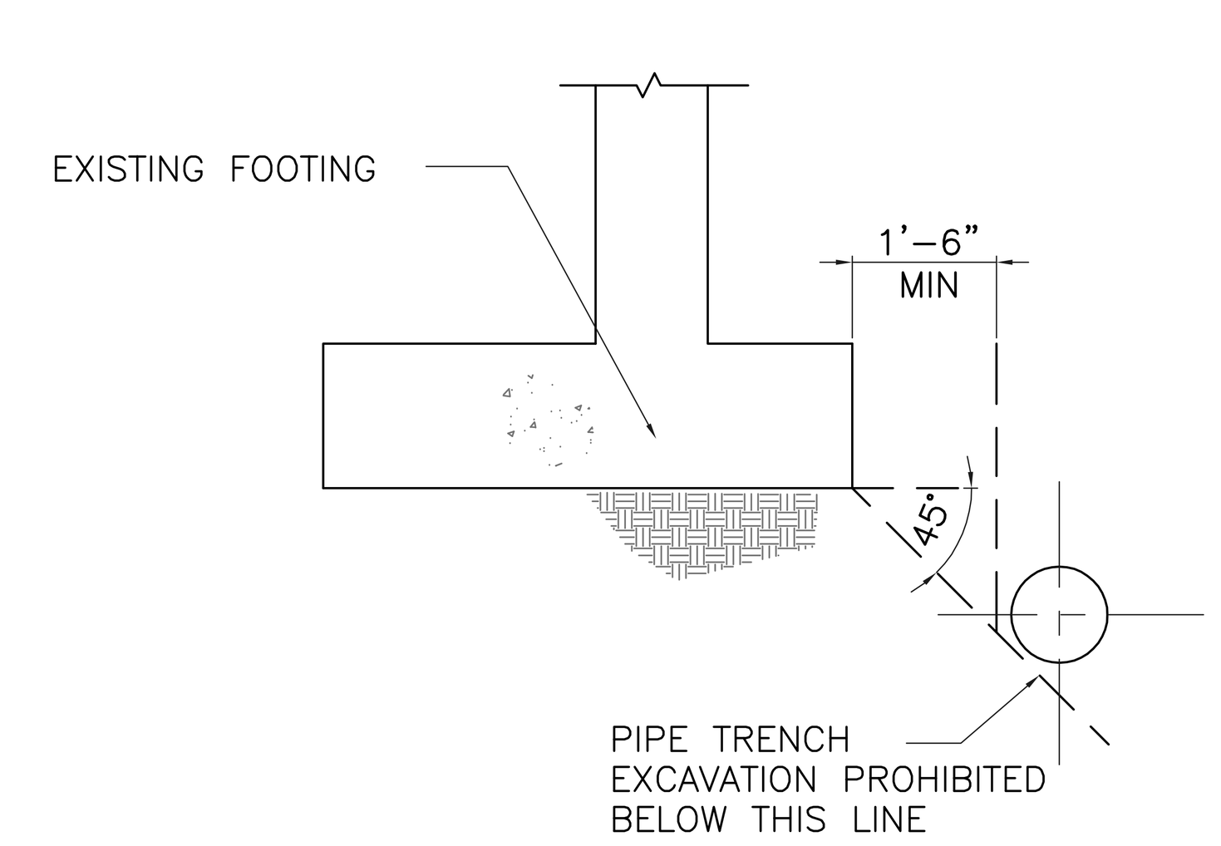
7 / S7-01 TYPICAL RETAINING WALL DETAIL
SCALE: 1/2" = 1'-0"



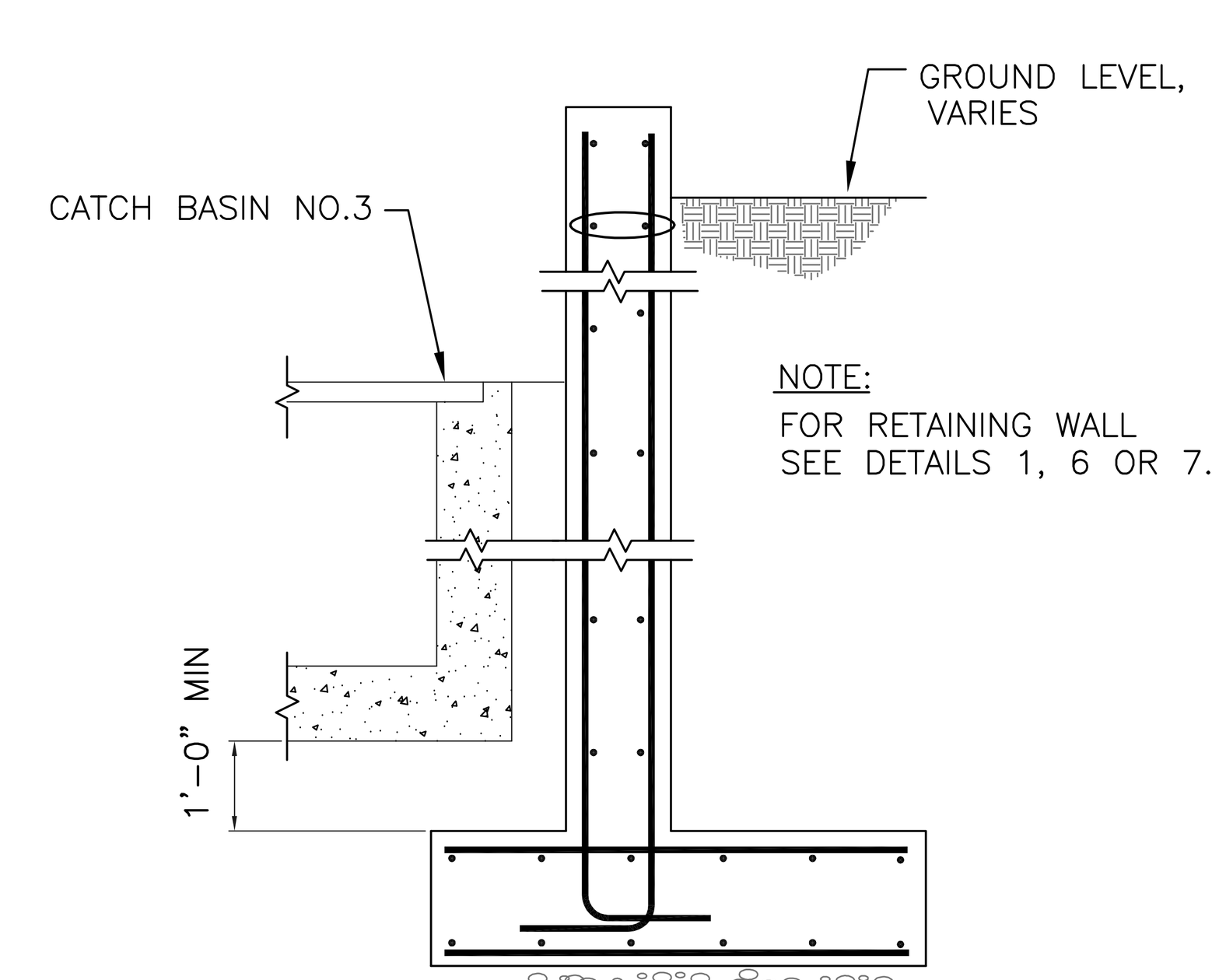
4 / S7-01 TYPICAL STAIR ON GRADE
SCALE: 1" = 1'-0"



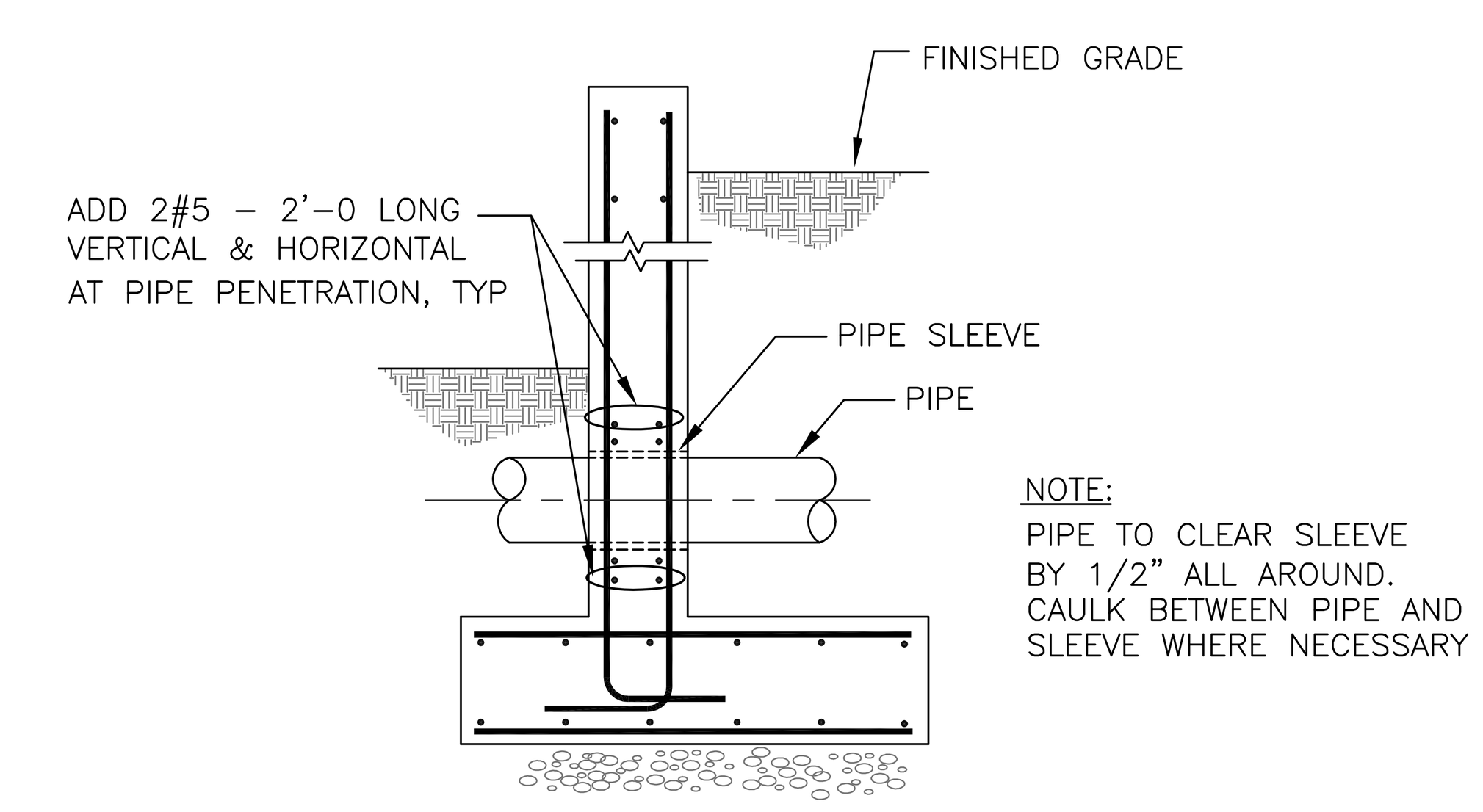
8 / S7-01 TYPICAL PIPE BELOW FOOTING DETAIL
SCALE: 1/2" = 1'-0"



9 / S7-01 TYP. PIPE ADJACENT TO FOOTING DETAIL
SCALE: 1/2" = 1'-0"

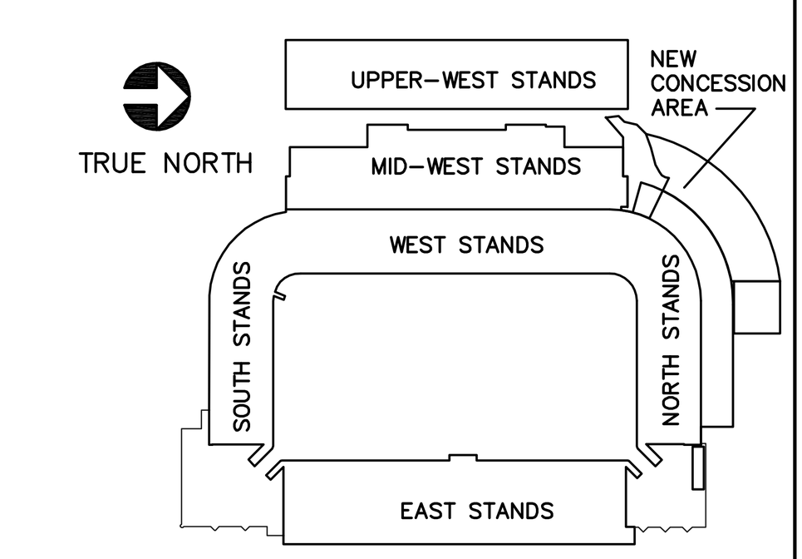


10 / – SECTION AT CB-3
SCALE: 1/2" = 1'-0"



NOTE:
PIPE TO CLEAR SLEEVE BY 1/2" ALL AROUND. CAULK BETWEEN PIPE AND SLEEVE WHERE NECESSARY

11 / – TYPICAL PIPE PENETRATION
SCALE: 1/2" = 1'-0"



KEY PLAN
N.T.S.

STATE OF NEW YORK
029383

US Army Corps of Engineers
New York District

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SAN FRANCISCO
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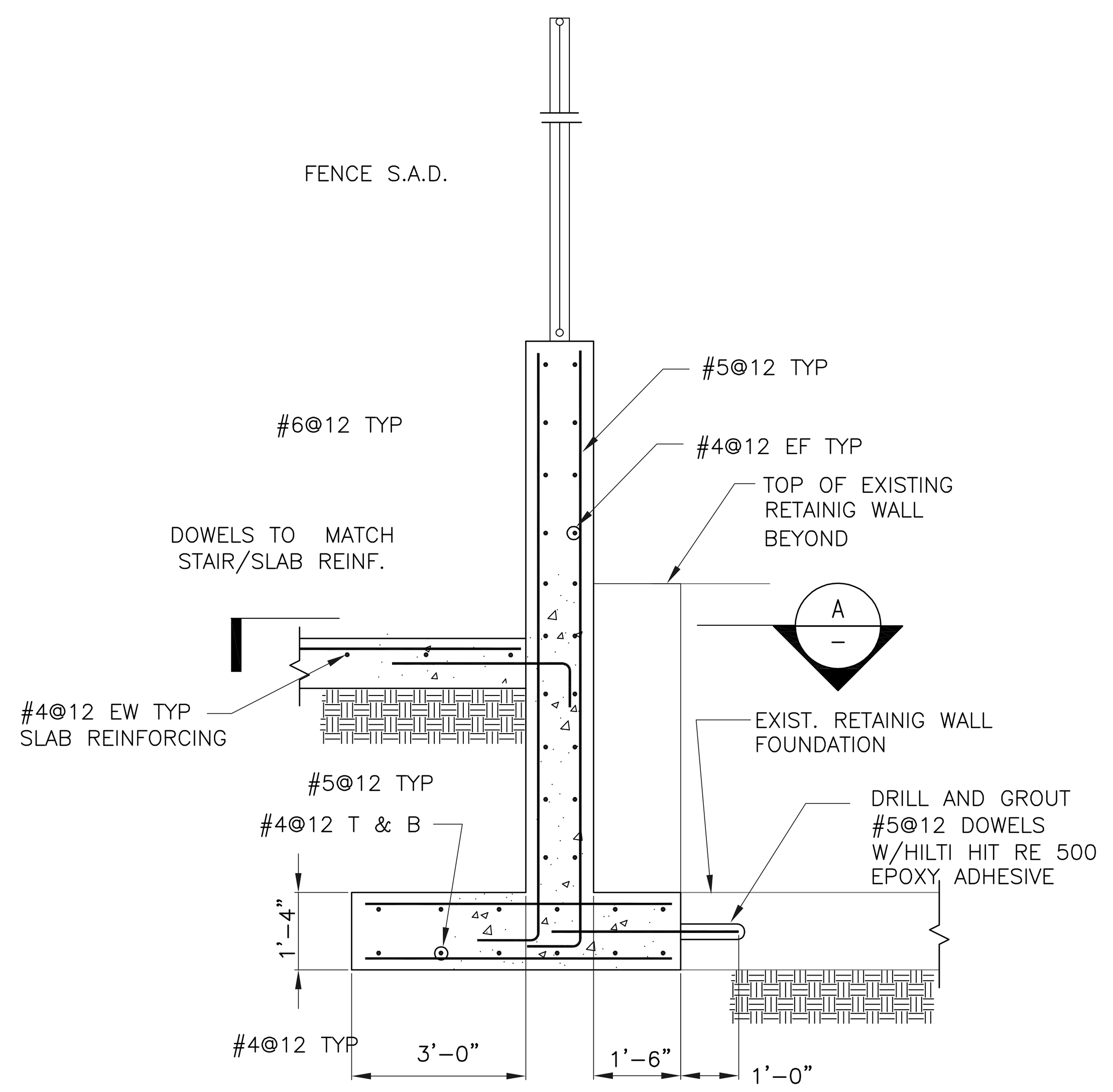
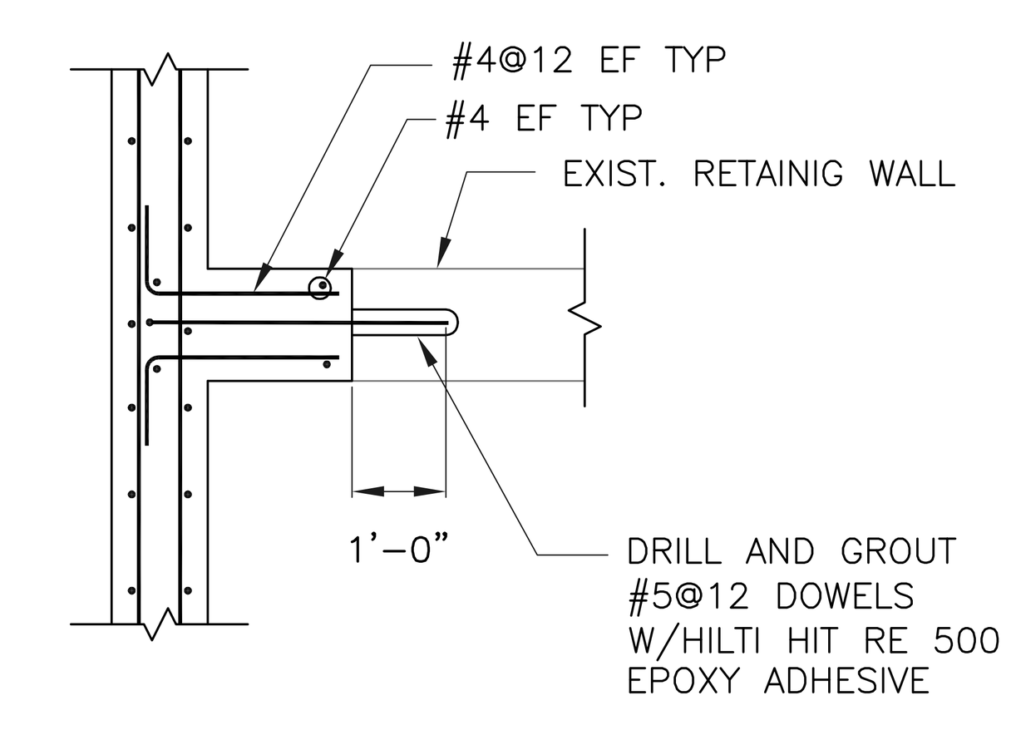
PROJECT TITLE: BID
MICHIE STADIUM – PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD WEST POINT, NEW YORK

CONCRETE AND SITE STRUCTURE DETAILS

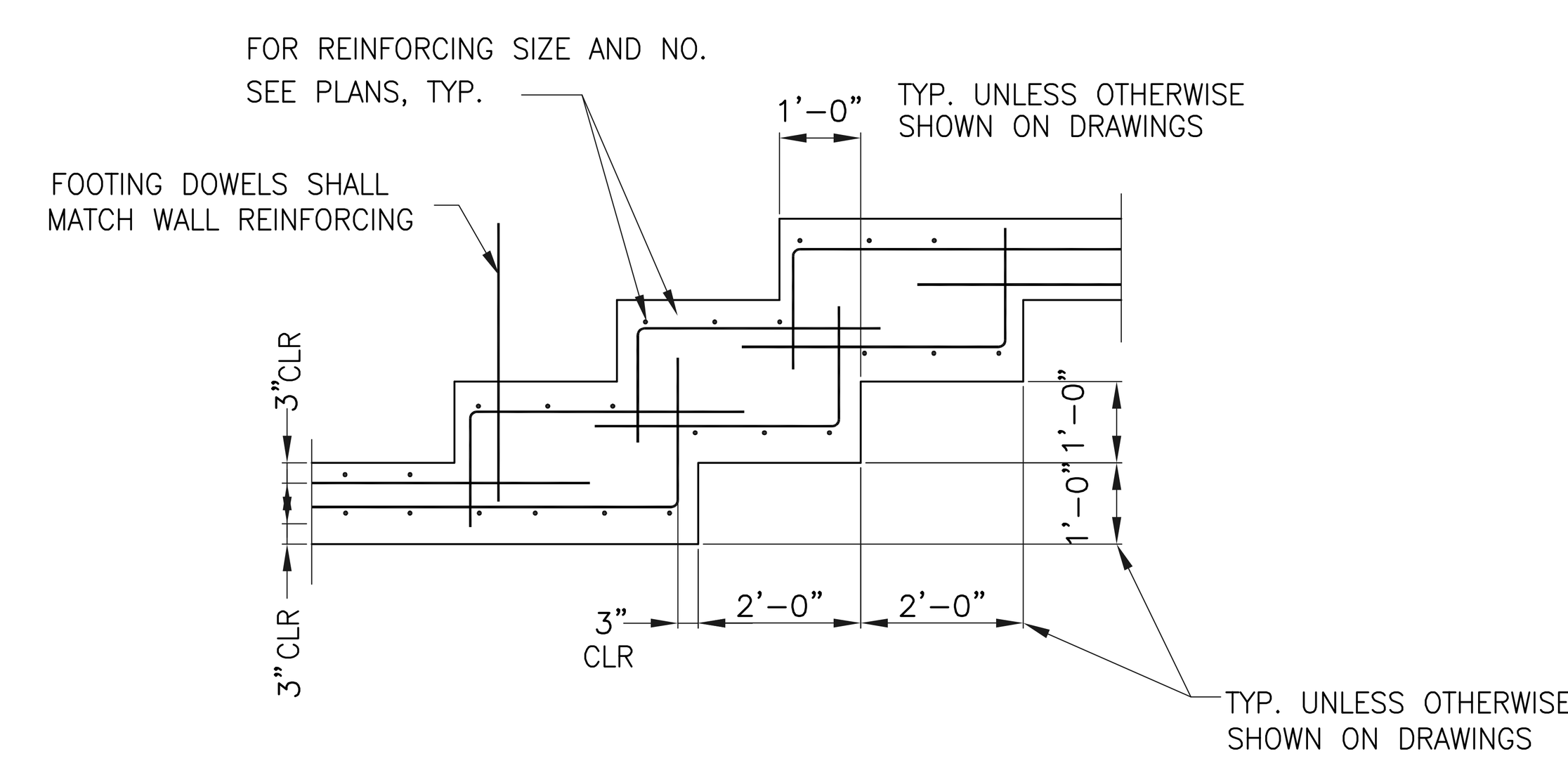
DRAWING
S7-01



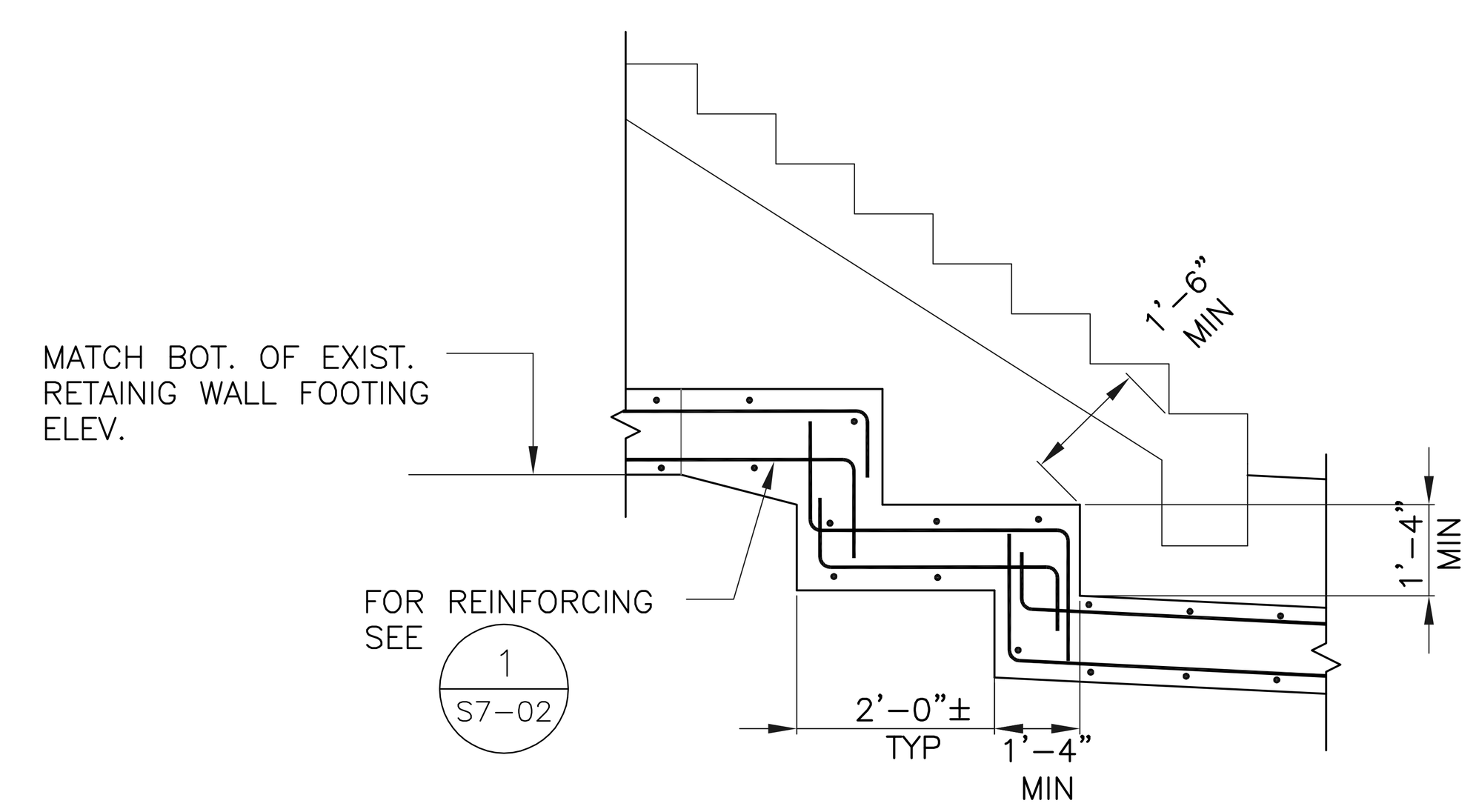
1 REINFORCING DETAIL
S7–02 SCALE: 1/2" = 1'–0"



A SECTION
S7–02 SCALE: 1/2" = 1'–0"



5 TYPICAL STEPPED FOOTING DETAIL
S7–02 SCALE: 1/2" = 1'–0"



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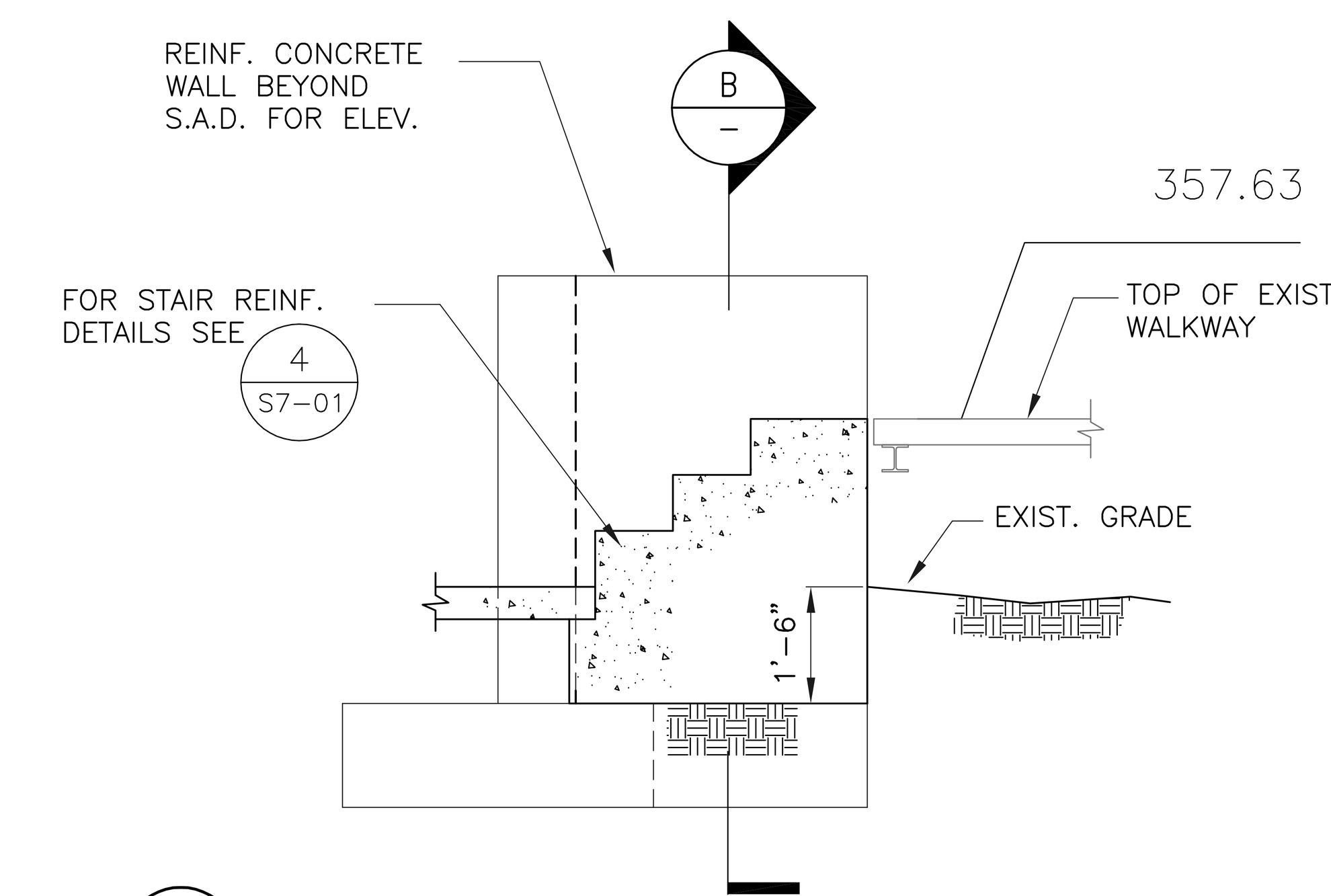
S7–02 SCALE: 1/2" = 1'–0"



8 SECTION
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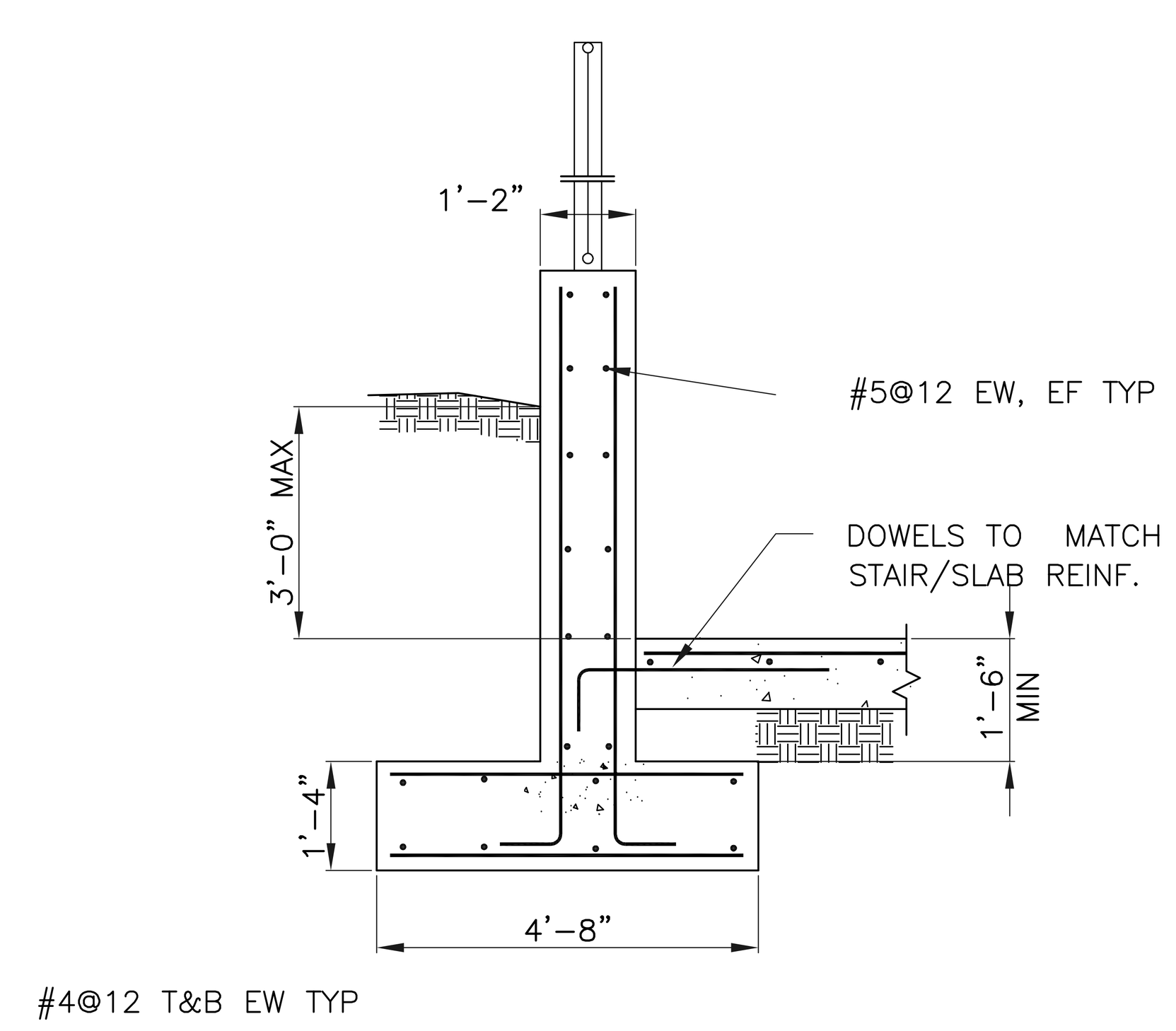

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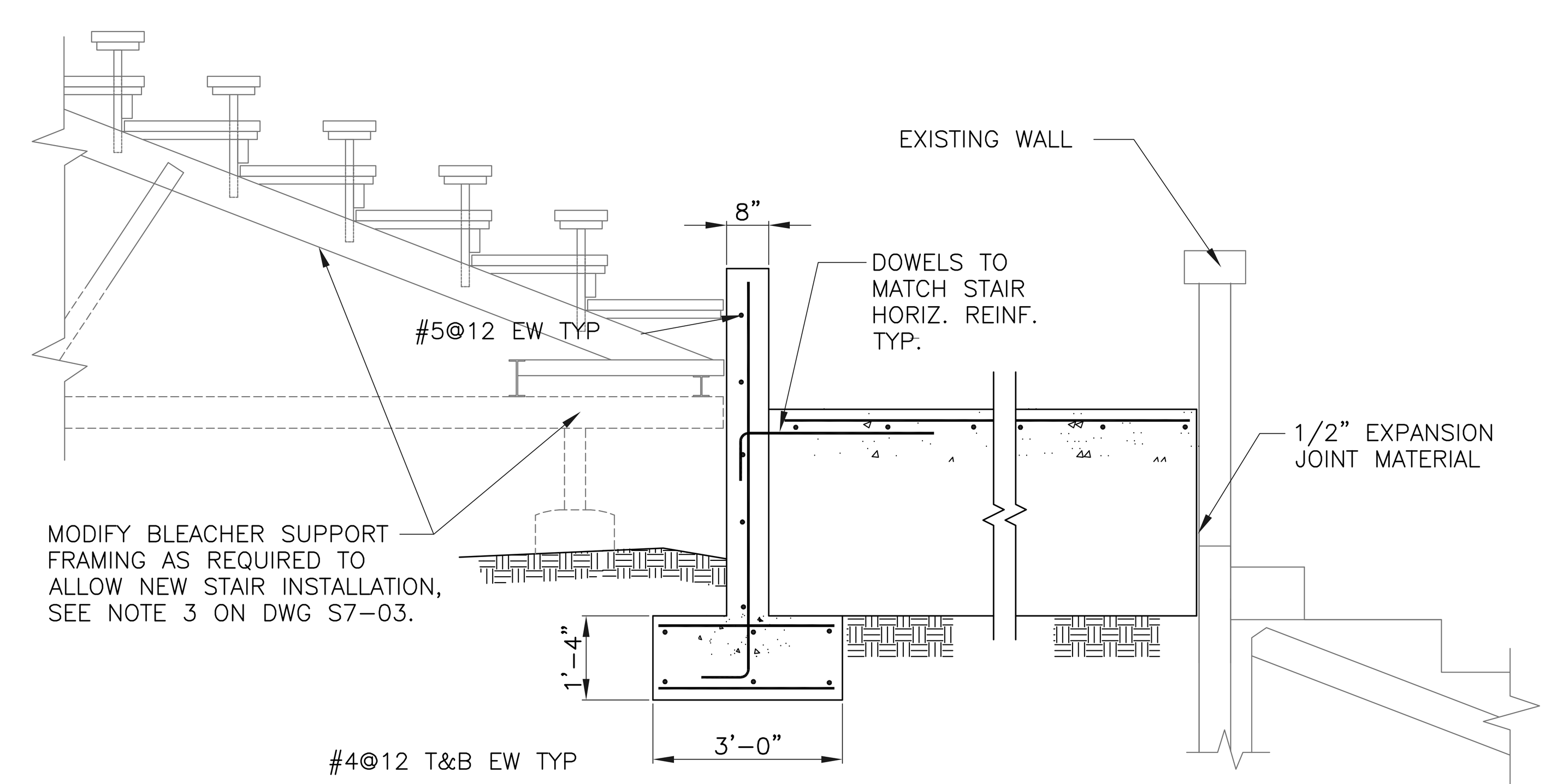

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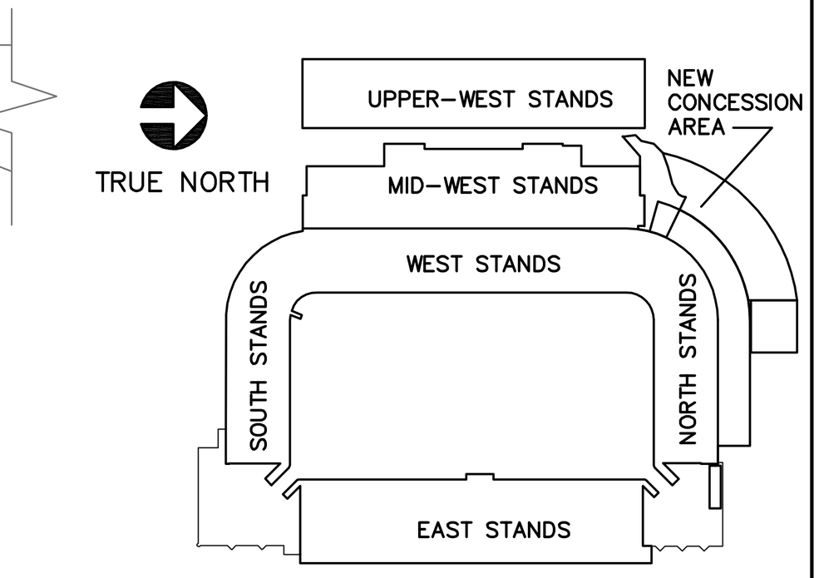
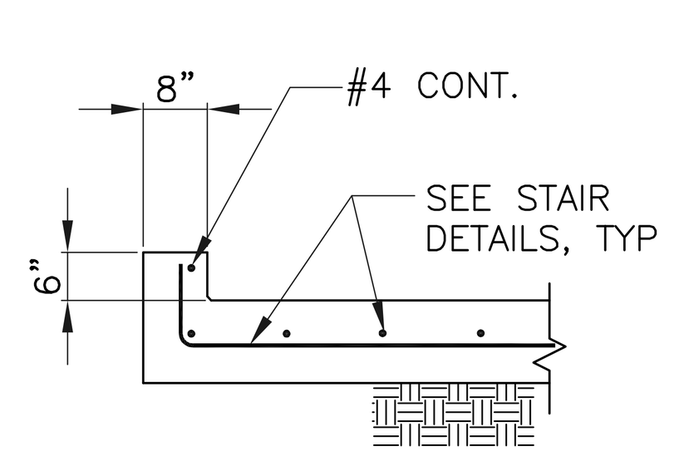
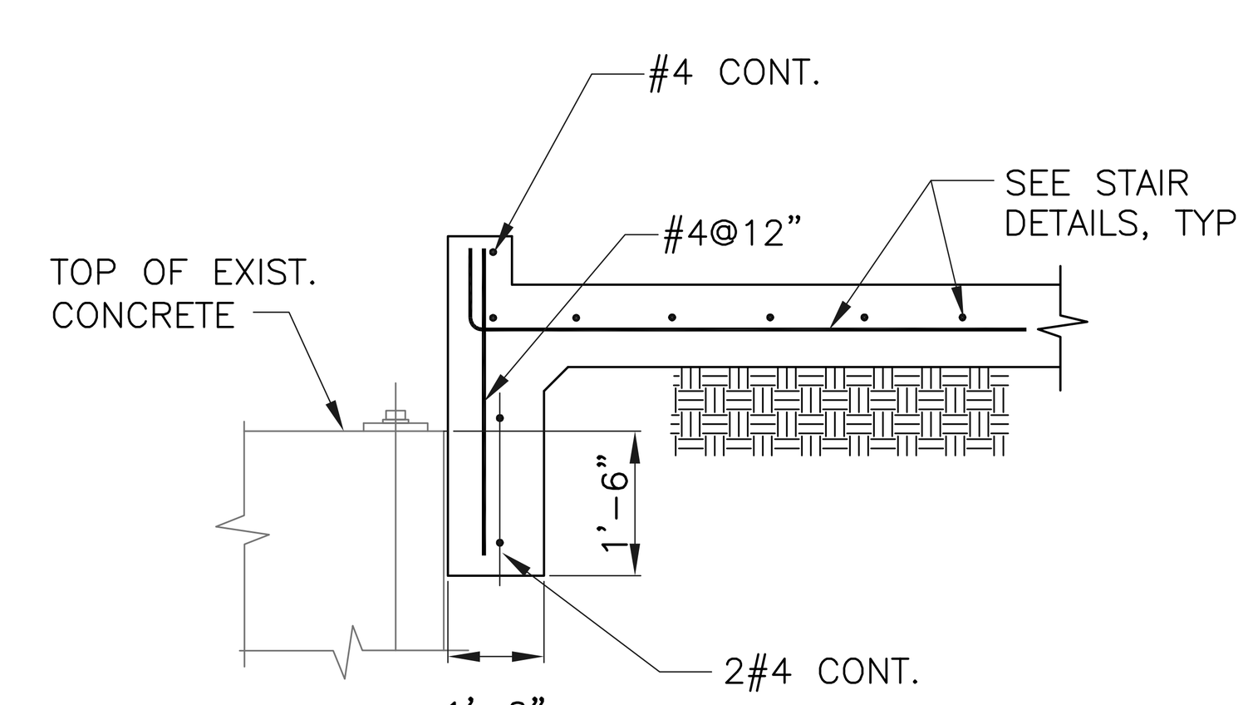


KEY PLAN
N.T.S.



9 REINFORCING DETAIL
S7–02 SCALE: 1/2" = 1'–0"



10 REINFORCING DETAIL
S7–02 SCALE: 1/2" = 1'–0"

NOTES:

1. FOR GENERAL NOTES AND ABBREVIATIONS SEE DWG S0–1.

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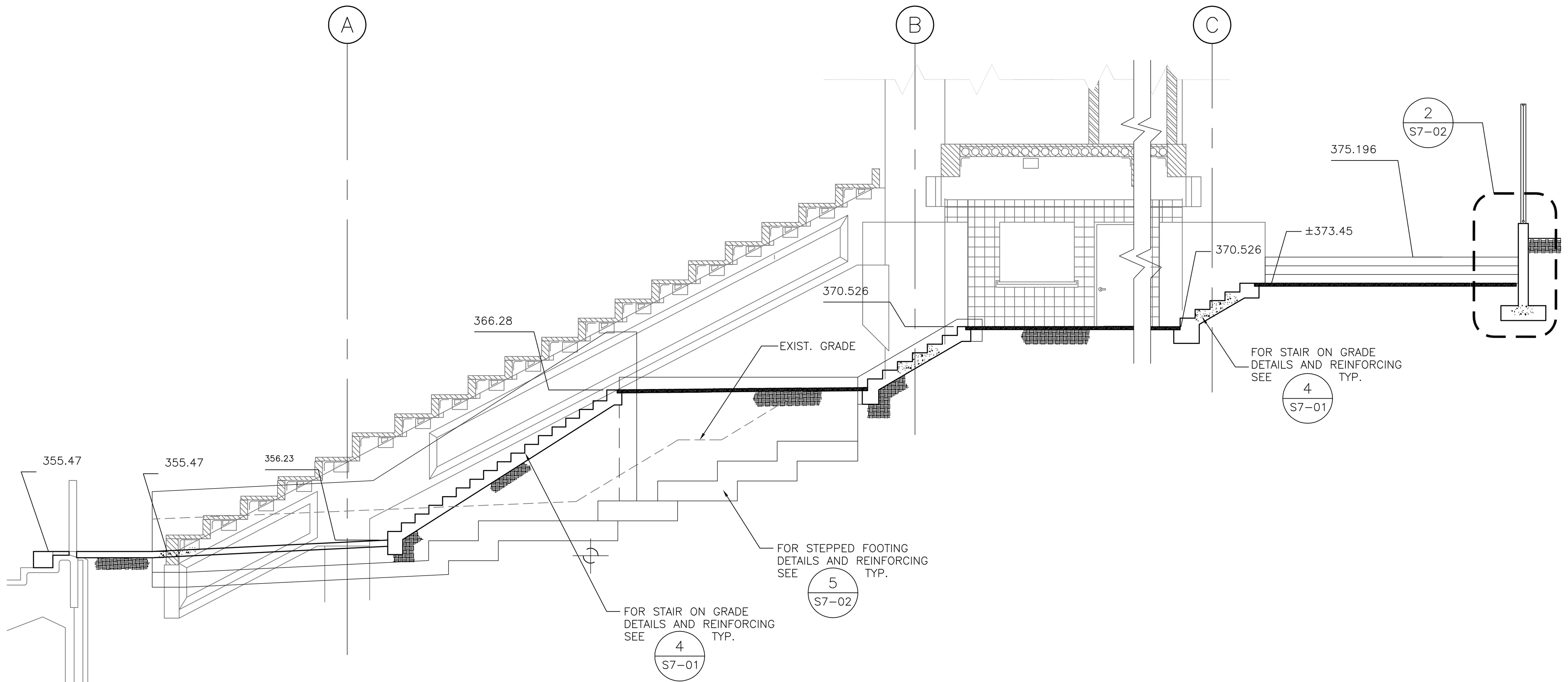
PROJECT TITLE: BID
MICHIE STADIUM – PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD
WEST POINT, NEW YORK

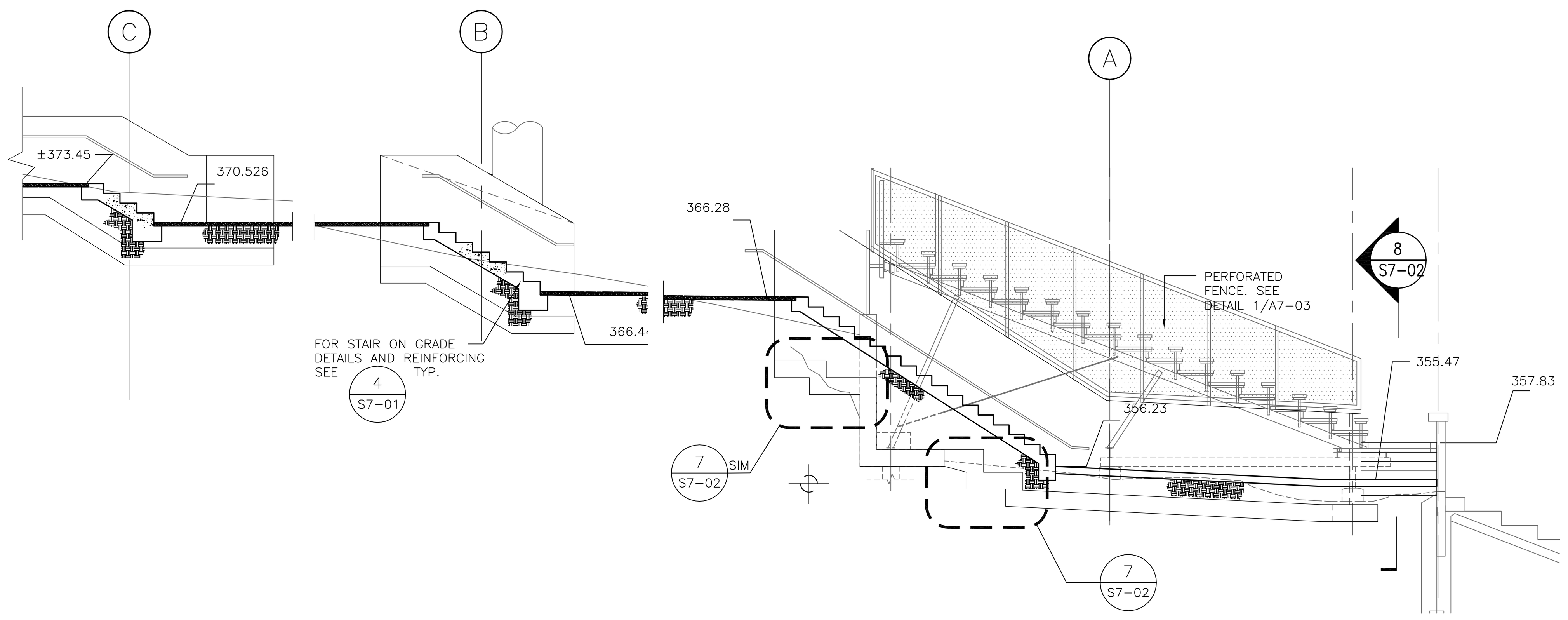
TYPICAL DETAILS

DRAWING
S7–02



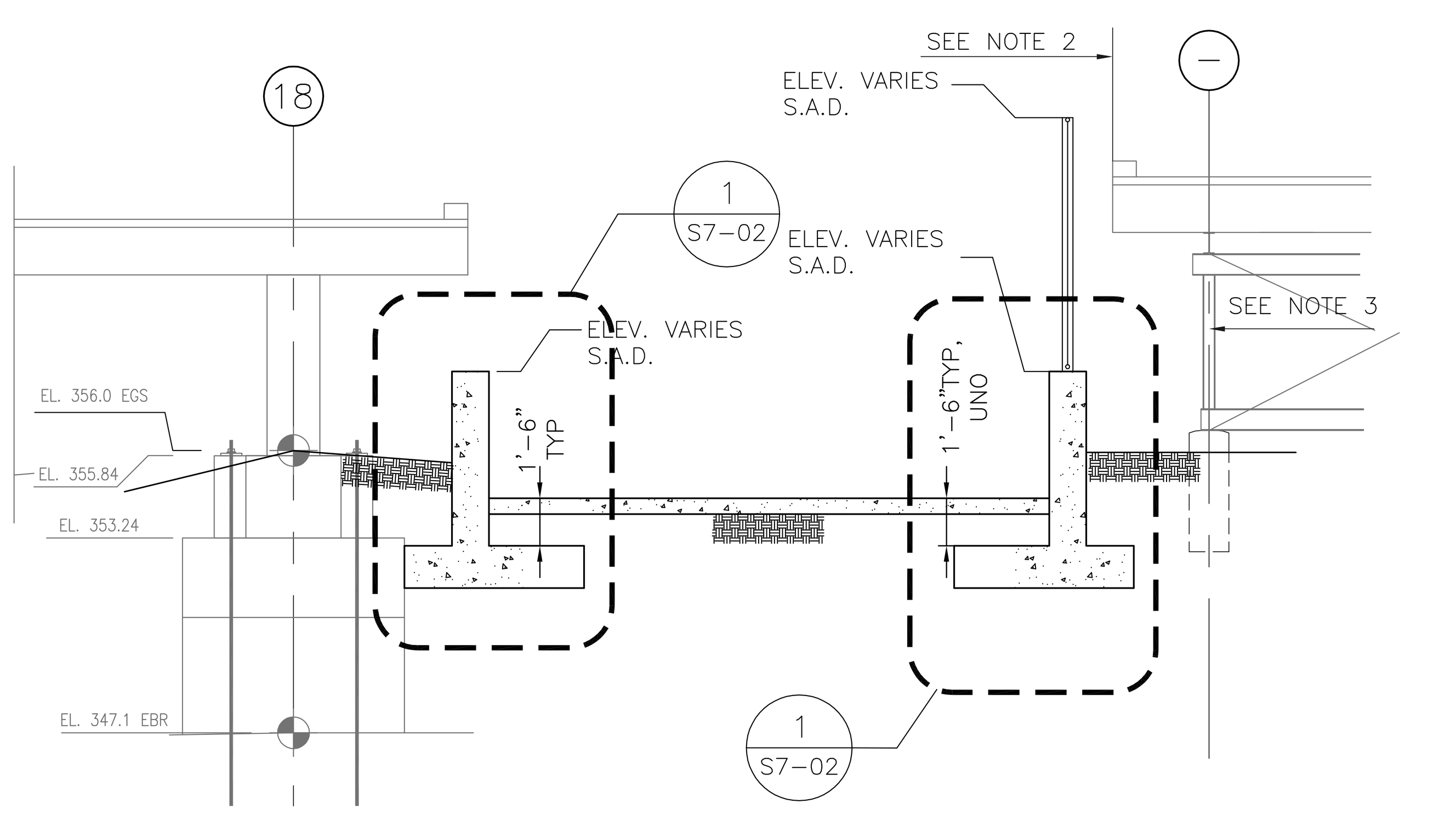
1/S7-03 SECTION AT COL LINE 18 LOOKING SOUTH

SCALE: 3/16" = 1'-0"



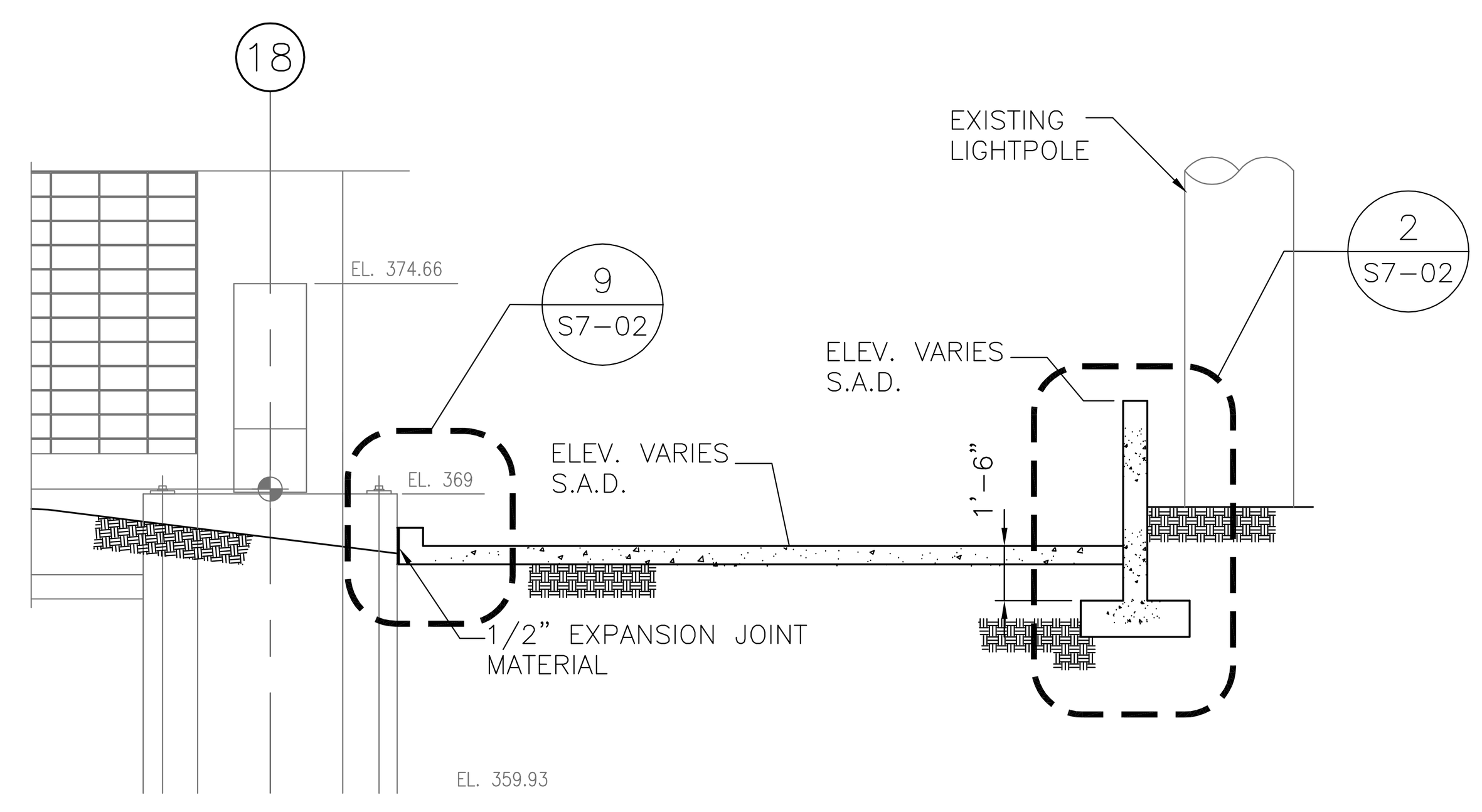
2/S7-03 SECTION AT COL LINE 18 LOOKING NORTH

SCALE: 3/16" = 1'-0"



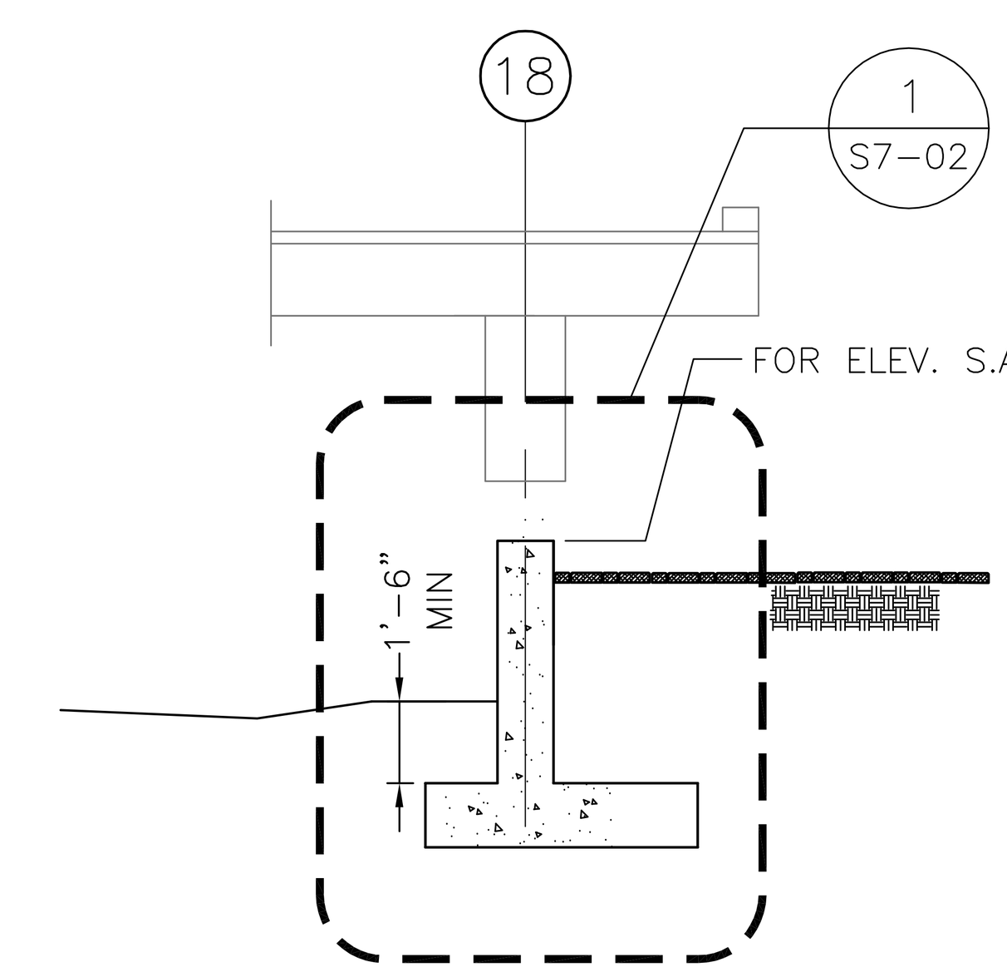
3/S7-03 SECTION AT COLUMN LINE A

SCALE: 1/4" = 1'-0"



4/S7-03 SECTION AT COLUMN LINE B

SCALE: 1/4" = 1'-0"

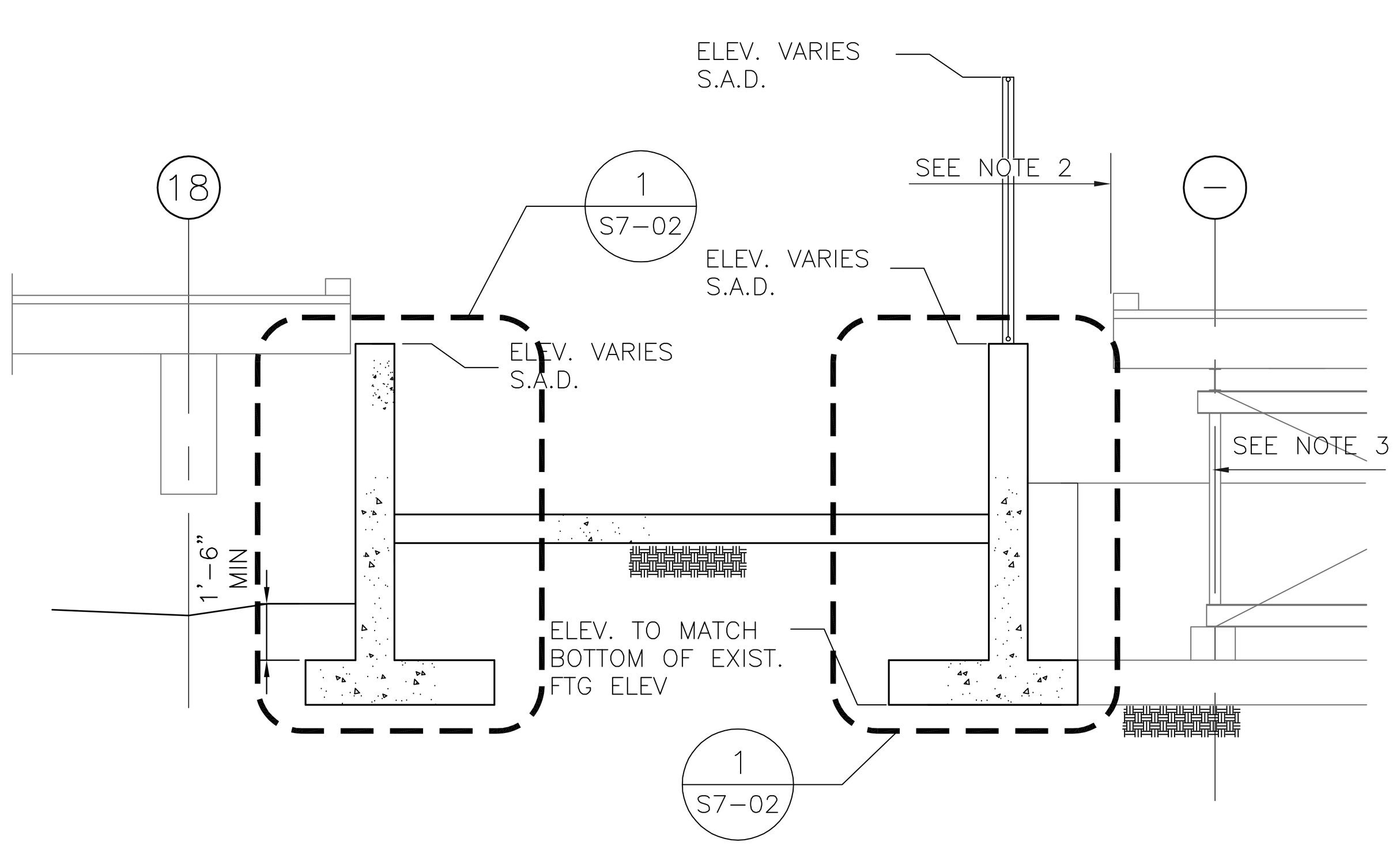


7/S7-03 SECTION

SCALE: 1/4" = 1'-0"

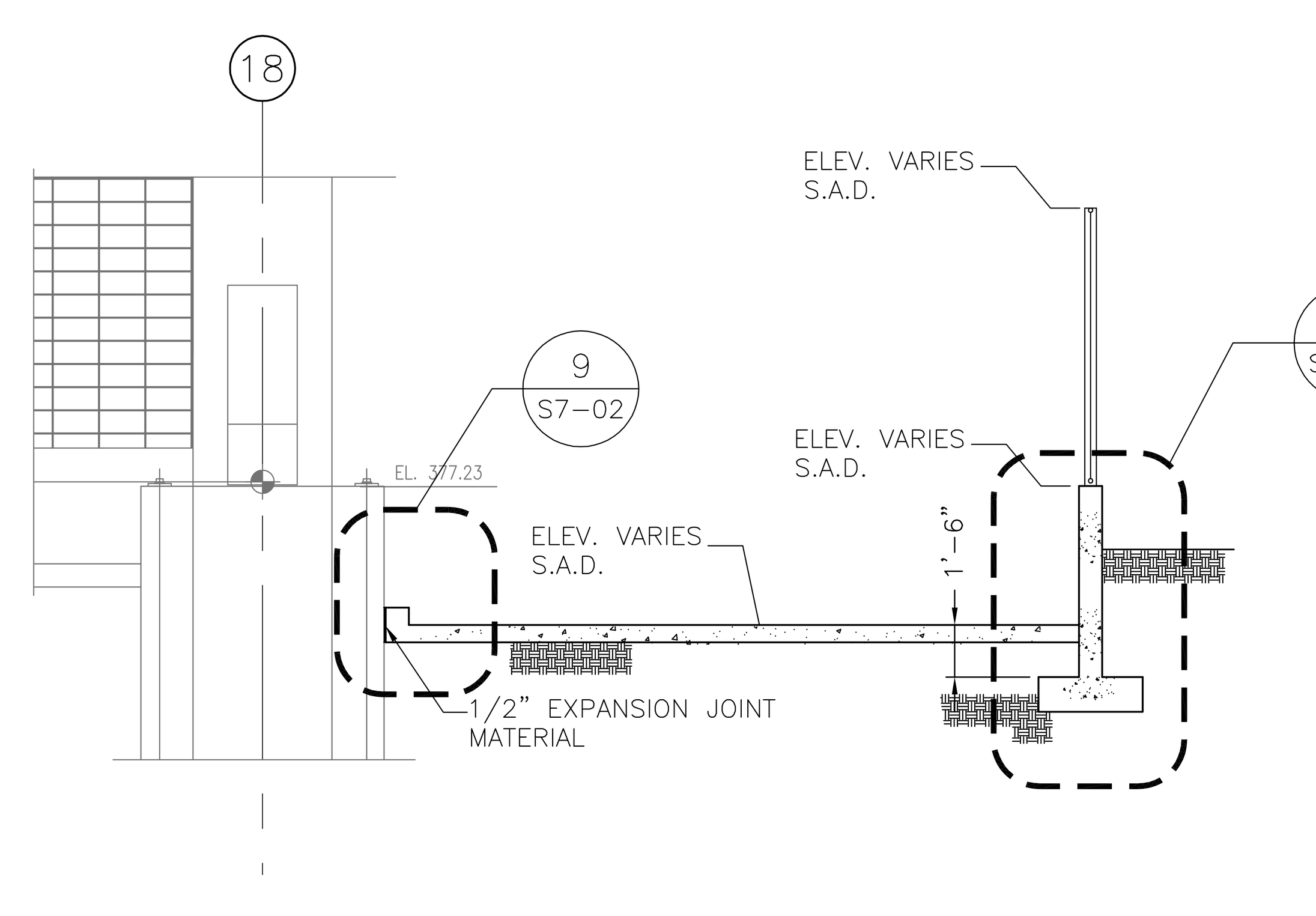
NOTES:

1. FOR GENERAL NOTES AND ABBREVIATIONS SEE DWG S0-01.
2. REMOVE EXISTING BLEACHERS SEATS AND SUPPORTING FRAMING INCLUDING FOOTINGS. S.A.D. FOR EXTENT OF DEMOLITION. SHORING IS REQU'D: PROVIDE ADEQUATE TEMPORARY VERTICAL AND LATERAL SUPPORT. SHORING DESIGN BY CONTRACTOR.
3. INSTALL NEW BLEACHER SUPPORT FRAMING INCLUDING NEW CONCRETE FOOTINGS. NEW FRAMING AND FOOTINGS SHALL MATCH EXISTING CONSTRUCTION. NEW FRAMING AND FOOTINGS SHALL BE SPACED TO PROVIDE ADEQUATE SUPPORT TO THE EXISTING BLEACHERS. SUBMITT DETAILED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY URS PRIOR TO START OF CONSTRUCTION.



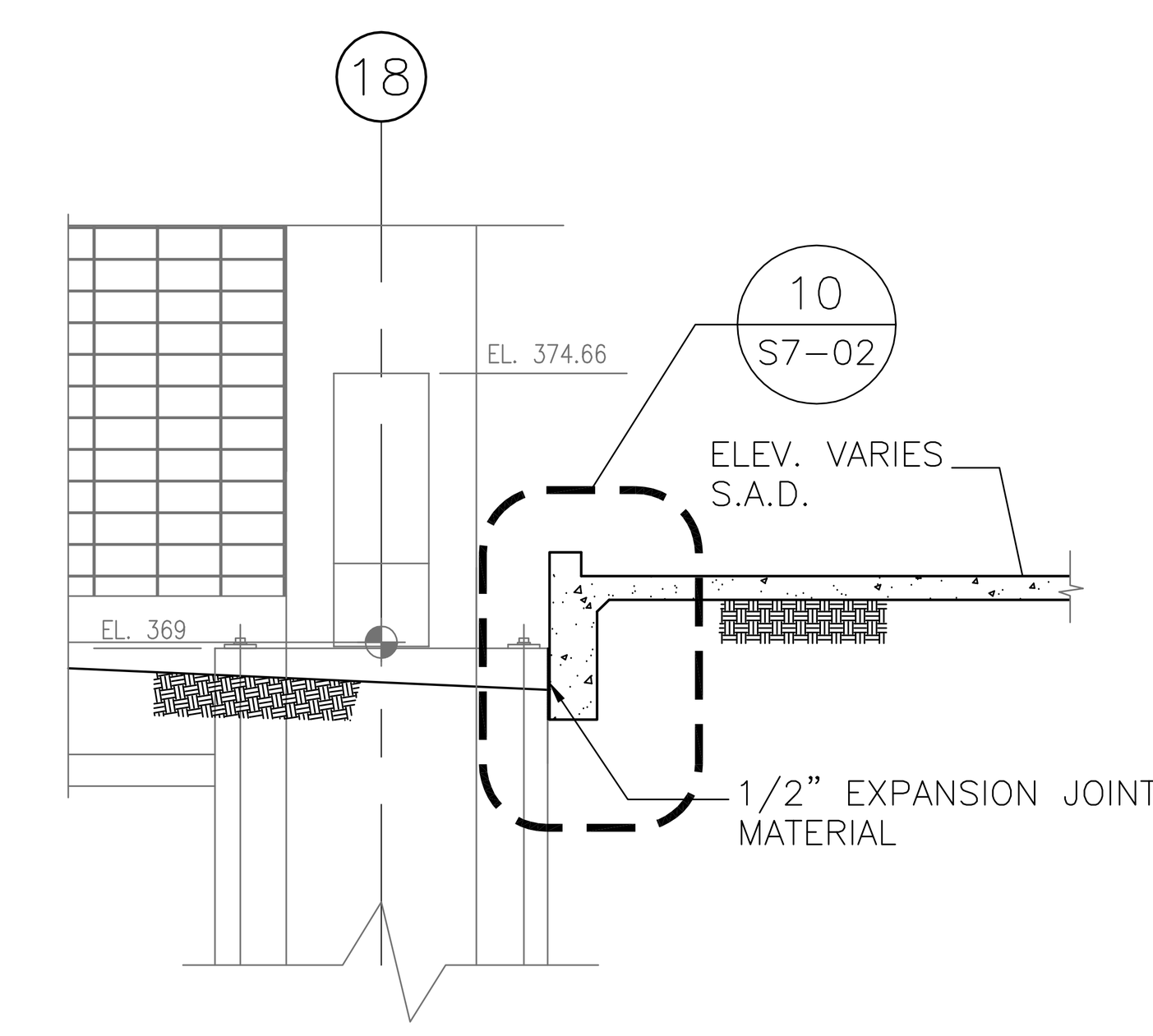
5/S7-03 SECTION

SCALE: 1/4" = 1'-0"



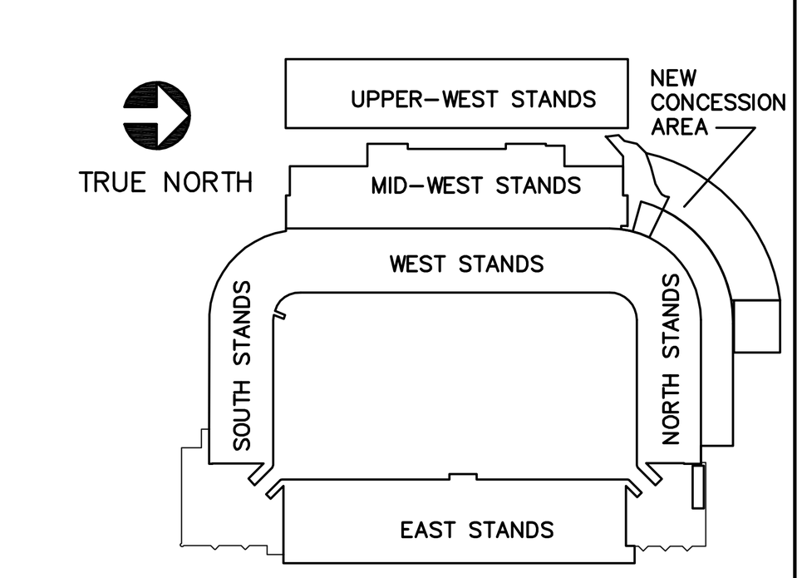
6/S7-03 SECTION AT COLUMN LINE C

SCALE: 1/4" = 1'-0"



9/S7-03 SECTION AT COLUMN LINE B

SCALE: 1/4" = 1'-0"



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PROJECT TITLE: BID
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA - STONY LONESOME ROAD WEST POINT, NEW YORK

SECTIONS
NORTHWEST GRANDSTAND STAIR

DRAWING
S7-03

ELECTRICAL NOTES:

1. GENERAL:

1.1 THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, NATIONAL ELECTRICAL SAFETY CODE, PERTINENT NFPA CODES, OSHA REGULATIONS, UTILITY COMPANY REGULATION, ALL OTHER EXISTING CODES AND REGULATIONS OF LOCAL, STATE, AND FEDERAL AUTHORITIES HAVING JURISDICTION, AND LOCAL CODES AND STANDARDS AS SPECIFIED ON THE CONTRACT DRAWINGS.

1.2 THE CONTRACT ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. ANY DIMENSIONS NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS. FOR EXACT LOCATIONS OF RECEPTACLE HEIGHT, DOOR SWING, MOUNTING HEIGHTS, ETC., REFER TO ARCHITECTURAL DRAWINGS AND DETAILS. FOR EXACT LOCATIONS OF MECHANICAL AND CONTROL DEVICES SEE MECHANICAL DRAWINGS.

1.3 UNLESS OTHERWISE NOTED, CABLE, CONDUITS AND EQUIPMENT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT ARE SHOWN IN HEAVY SOLID OR DASHED LINES. EXISTING EQUIPMENT IS DENOTED BY LIGHT LINES. EQUIPMENT TO BE REMOVED IS SHOWN WITH HATCH OR CROSSED LINE OR SO NOTED.

1.4 ANY DEPARTURE FROM CONCEPT SHOWN ON THE CONTRACT DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

1.5 PRIOR TO STARTING ANY WORK, PURCHASE, FABRICATION, ETC., THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

1.6 THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL WORK WITH OTHER TRADES AND CONFER WITH OTHER TRADES WHOSE WORK MIGHT AFFECT THIS INSTALLATION. ARRANGE ALL PARTS OF THIS WORK AND EQUIPMENT OF OTHERS, WITH THE BUILDING CONSTRUCTION AND WITH ARCHITECTURAL FINISH SO THAT IT WILL HARMONIZE IN SERVICE AND APPEARANCE. ANY CONFLICTS IN COORDINATION BETWEEN TRADES, OR ERRORS AND/OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER FOR RESOLUTION.

1.7 BIDDERS, BEFORE SUBMITTING A PROPOSAL, SHALL VISIT THE SITE AND EXAMINE CAREFULLY THE AREAS AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND WITH DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THIS WORK. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS SHALL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH EXAMINATION BE MADE.

1.8 PHASING OF THE WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER.

1.9 PREPARE AND FURNISHED TO THE OWNER "AS BUILT" PLANS FOR ALL WORK INSTALLED.

1.10 PERFORM ALL CUTTING, DRILLING AND CORE BORING AS NECESSARY TO PROVIDE PENETRATIONS THROUGH WALLS AND FLOORS FOR ELECTRICAL INSTALLATION WORK. CORE DRILL DIAMETER SHALL NOT BE MORE THAN 25 % LARGER THAN THE CONDUIT OUTSIDE DIAMETER. PATCH AND RESTORE ALL PENETRATION OPENINGS TO ORIGINAL CONDITION. THE FOLLOWING WORK SHALL BE DONE BY OTHERS: FINISH PATCHING AND PAINTING, AND FURNISHING AND SETTING OF MOTORS.

1.11 PROVIDE APPROVED FIRE STOPPING AT ALL PENETRATIONS THROUGH FIRE RATED WALLS, AND PARTITIONS. FIRE RATINGS OF ALL PENETRATED WALLS, AND PARTITIONS SHALL BE MAINTAINED.

1.12 PERFORM ALL NECESSARY ALTERNATIONS, CUTTING AND FITTING OF THE EXISTING WORK AS MAY BE NECESSARY TO MAKE SATISFACTORY CONNECTIONS BETWEEN THE NEW AND EXISTING WORK.

1.13 CLEANUP STORING OF MATERIALS, TOOLS AND EQUIPMENT AFTER EACH WORK PERIOD.

1.14 ALL EQUIPMENT SHALL BE AS SPECIFIED OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.

1.15 ALL EQUIPMENT SHALL BE DESIGNED FOR CONTINUOUS OPERATION AT 100 PERCENT OF THE EQUIPMENT RATING.

1.16 ALL MATERIALS REQUIRED FOR THE INSTALLATION SHALL BE NEW AND SHALL BEAR U.L. LISTING AND LABELING WHERE SUCH STANDARD HAS BEEN ESTABLISHED FOR THE PARTICULAR TYPE OF MATERIAL UNLESS OTHERWISE NOTED.

1.17 ALL SURFACES AND EQUIPMENT DAMAGED IN THE COURSE OF THE WORK SHALL BE RESTORED TO THE ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.

1.18 THE ENTIRE ELECTRICAL INSTALLATION SHALL BE INSPECTED, THOROUGHLY CLEANED AND DAMAGED FINISHES SHALL BE TOUCHED UP AFTER FINAL COMPLETION AND PRIOR TO COMMISSIONING.

1.19 POWER SHUTDOWNS FOR ANY REASON WILL NOT BE TOLERATED WITHOUT PRIOR WRITTEN APPROVAL BY THE OWNER. 48 HOURS ADVANCED WRITTEN REQUEST SHALL BE GIVEN BY THE CONRTACTOR TO ALL CONCERNED PARTIES.

2. RECEPTACLES:

2.1 RECEPTACLES SHALL BE THREE-WIRE GROUNDING TYPE COMMERCIAL GRADE GFI BY 'HUBBELL', OAE.

3 BOXES, COVERS, MANHOLES:

3.1 LIQUIDTIGHT BOX WITH ONE ¾" UNI-SEAL HUB AS MANUFACTURED BY APPLETON CAT. #JIC-H75 OAE.

3.2 LIQUIDTIGHT BOX COVER SHALL BE DIE-CAST ZINC WEATHER RESISTANT, ONE GANG GFI SELF CLOSING LID, HORIZONTAL MOUNTING AS MANUFACTURED BY LEVITON CAT # 4992 OAE.

3.3 FIBERGLASS NEMA 4X ENCLOSURE WITH SOLID SCREW COVER SHALL BE MOLDED FIBERGLASS POLYESTER MATERIAL WITH TEMPERATURE AND CHEMICAL RESISTANCE. SEAMLESS FOAM-IN-PLACE GASKET. SCREW COVER WITH INTERNAL ZINC PLATED STEEL HINGES WITH FOUR CAPTIVATED MONEL COVER SCREWS. AS MANUFACTURED BY HOFFMAN CAT. #A-18149JFGR OR OAE

4 PEDESTRIAN LAMP POST:

4.1 PEDESTRIAN LAMP FIXTURE SHALL BE WEST POINT FIXTURE STOCK #400H0000, MANUFACTURED BY PENNSYLVANIA GLOBE GASLIGHT CO. NO SUBSTITUTION

4.2 LAMP POLE USMA DECORATIVE, 12 FT 1½" IN HEIGHT, OCTAGONAL BASE 16½" IN WIDTH, TOP HUB 3-7/16" IN DIAMETER, 1" HEIGHT WITH GROOVE FOR LUMINAIRE MOUNTING SET SCREWS, HATCH 13½" IN HEIGHT, 11" IN WIDTH AT BOTTOM, 7" WIDTH AT TOP LOCATED 5½" UP FROM BASE OF POLE, MATERIAL CAST IRON ASTM SPEC. A48-64, CLAUSE 20, FINISH COAT WITH DARK GREEN FED. STD. 595, NO. 14067, PRODUCT NUMBER THE EDGEWATER WEST POINT 12 POST, MADE BY SPRING CITY ELECTRICAL MANUFACTURING COMPANY, SPRING CITY, PENNSYLVANIA 19475.

ABBREVIATIONS

A	AMPERES
AC	ALTERNATING CURRENT
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AT	AMPERE TRIP
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISHED GRADE
BKR	BREAKER
CAT	CATALOG
CB	CIRCUIT BREAKER
CKT	CIRCUIT
COND	CONDUIT
COMM	COMMUNICATION
COL	COLUMN
CO	COMPANY
DWG	DRAWING
ELEC	ELECTRIC
EQUIP	EQUIPMENT
EXIST	EXISTING
FA	FIRE ALARM
FIXT	FIXTURE
FL,FLR	FLOOR
FLUOR	FLUORESCENT
G,GND	GROUND
GFI	GROUND FAULT INTERRUPTER
J,JB	JUNCTION BOX
KA	KILO AMPERE
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUG ONLY
MIN	MINIMUM
MTD	MOUNTED
N	NEUTRAL
NTS	NOT TO SCALE
OAE	OR APPROVED EQUAL
PH	PHASE
PNL	PANEL
PWR	POWER
RECEPT	RECEPTACLE(S)
RGS	RIGID GALVANIZED STEEL
RM	ROOM
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
W	WATTS
W	WIRE
W/	WITH
XFMR	TRANSFORMER

LIGHTING FIXTURE SCHEDULE

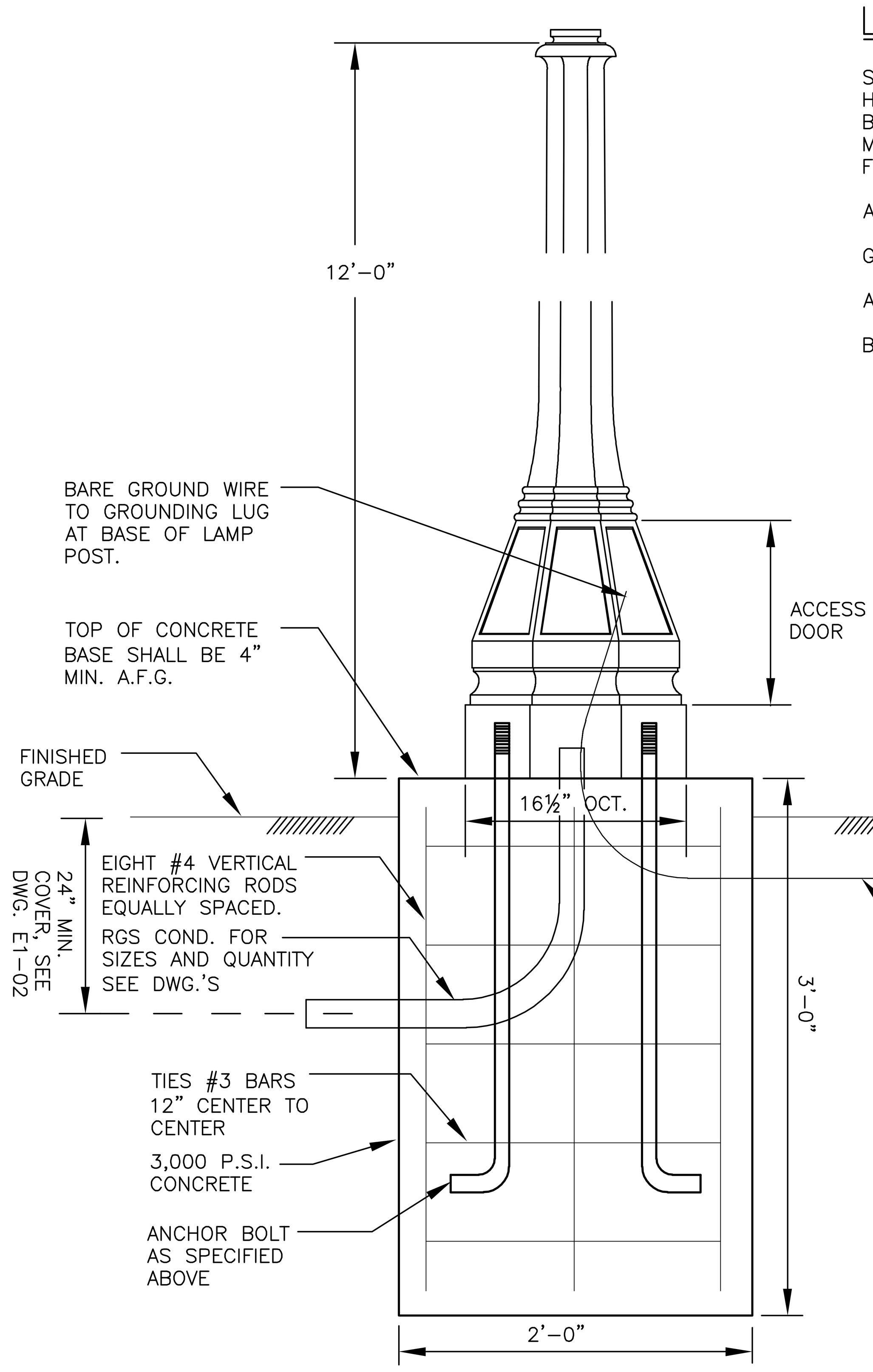
ITEM	MOUNTING	LAMP TYPE	VOLTS	DESCRIPTION	MANUFACTURE	MOUNTING HEIGHT
A	SURFACE	250 WATTS MH LAMP	277V	WALL PACK, CORROSION RESISTANT DIE CAST ALUMINUM HOUSING, REFRACTOR IS PRISMATIC BOROSILATE GLASS, REFRACTOR SHALL BE SEALED AND GASKETS SPECULAR ANODIZED ALUMINUM.	LITHONIA OAE CAT. NO. TWH250M277PEDMB	12'-0"

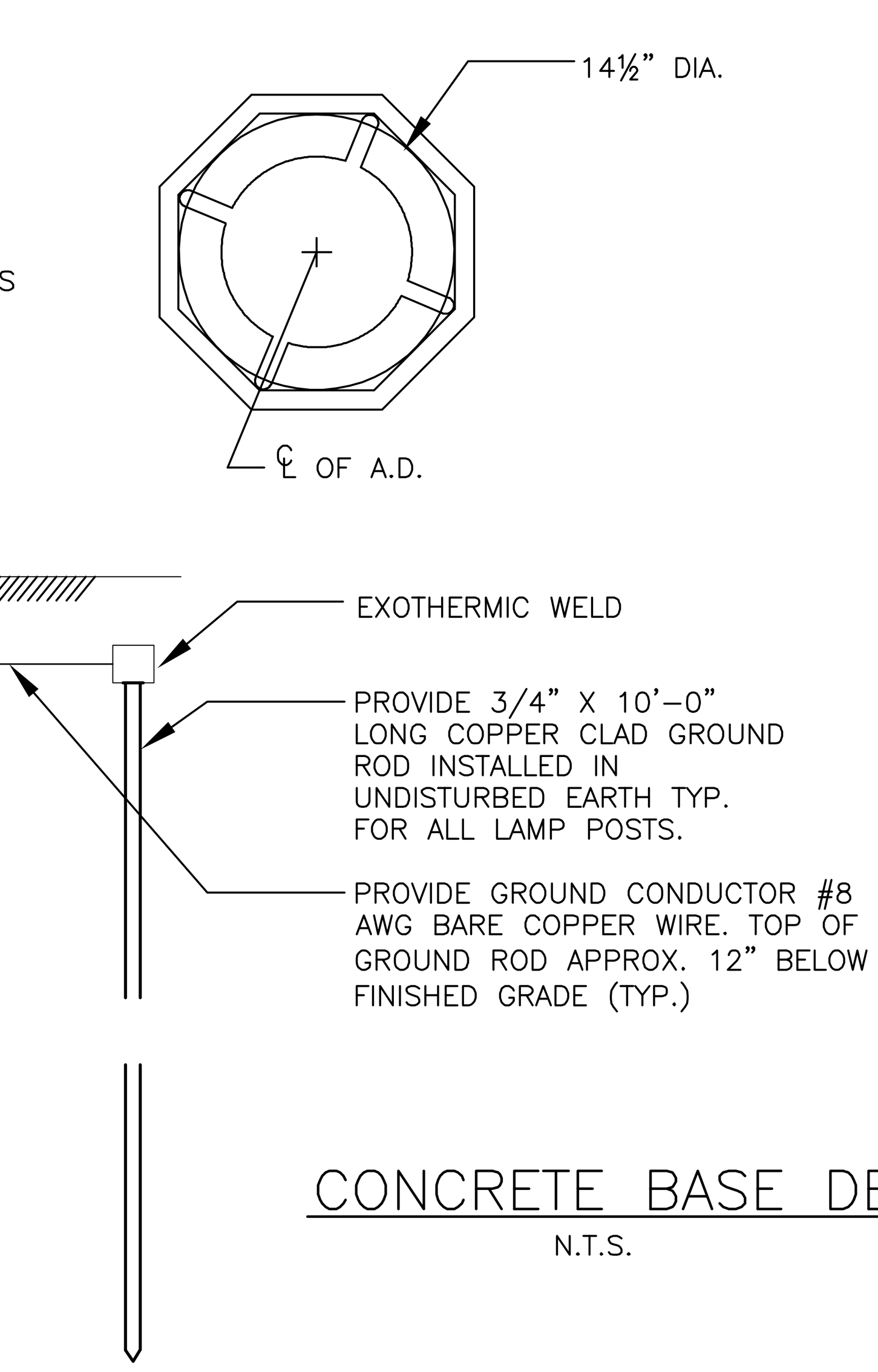
SYMBOL LIST

SYMBOL	DESCRIPTION
————	NEW EXPOSED ELECTRICAL CONDUIT, FOR SIZE AND WIRES REFER TO ELECTRICAL PLANS.
— — — —	NEW CONDUIT CONCEALED IN WALL, CEILING AND/ OR GROUND, FOR SIZE AND WIRES REFER TO ELECTRICAL PLANS.
G WP EM	METAL HALIDE WALL PACK LIGHTING FIXTURE. G: DENOTES LIGHTING FIXTURE TYPE. EM: DENOTES EMERGENCY LIGHTING CIRCUIT.
(3)	NOTE NUMBER
2 / E2-04	DETAIL MARK 2: DENOTES DETAIL NUMBER E2-04: DENOTES ELECTRICAL DRAWING NUMBER
ER	ER NEXT TO ELECTRICAL EQUIPMENT DENOTES EQUIPMENT IS EXISTING TO REMAIN.
ETR	ETR NEXT TO ELECTRICAL EQUIPMENT DENOTES EQUIPMENT IS EXISTING TO BE RELOCATED.
RL	RL NEXT TO ELECTRICAL EQUIPMENT DENOTES EQUIPMENT IS RELOCATED AND SHOWN IN NEW LOCATION

LAMP POST SPECIFICATIONS

STYLE:	EDGEWATER-WP
HEIGHT:	12'-0"
BASE:	16 1/2" OCTAGONAL (FLAT TO FLAT)
MATERIAL:	1 PIECE, CAST IRON PER A.S.T.M. A 48-83 CLASS 30
FINISH:	PRIME PAINT THEN FINISH PAINT, SHERWIN WILLIAMS ACROLON - DARK GREEN FED STD.
ACCESS DOOR:	LOCATED IN BASE SECURED WITH TAMPER PROOF HEX SOCKET SECURITY MACHINE SCREWS
GROUND STUD PROVISIONS:	DRILL AND TAP INSIDE WALL OF BASE OPPOSITE ACCESS DOOR TO ACCOMMODATE A 1/4"-20 GROUND STUD (GROUND STUD SUPPLIED BY OTHERS)
ANCHOR BOLTS:	(4) 3/4" X 24" + 3" HOOK (FULLY GALVANIZED WITH 1 GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)
BOLT PROJECTION:	3" REQUIRED





CONCRETE BASE DETAIL

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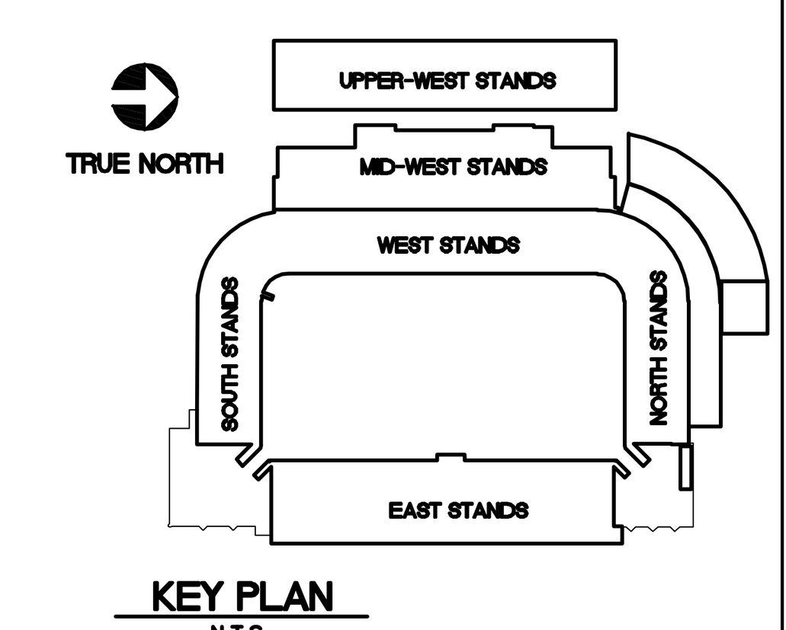

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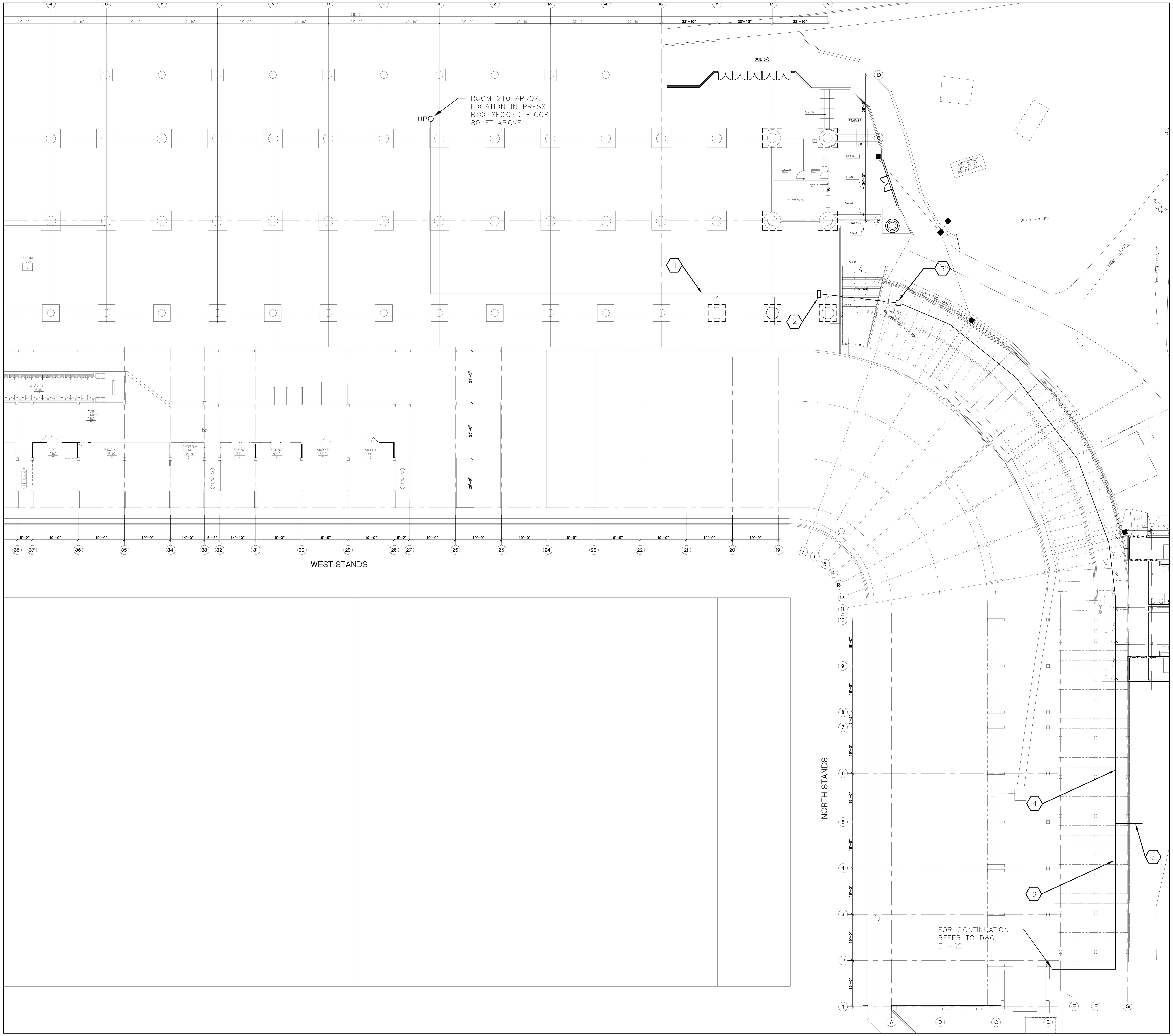
USMA - STONY LONESOME ROAD WEST POINT, NEW YORK

ELECTRICAL NOTES AND SYMBOL LIST

DRAWING
E0-01



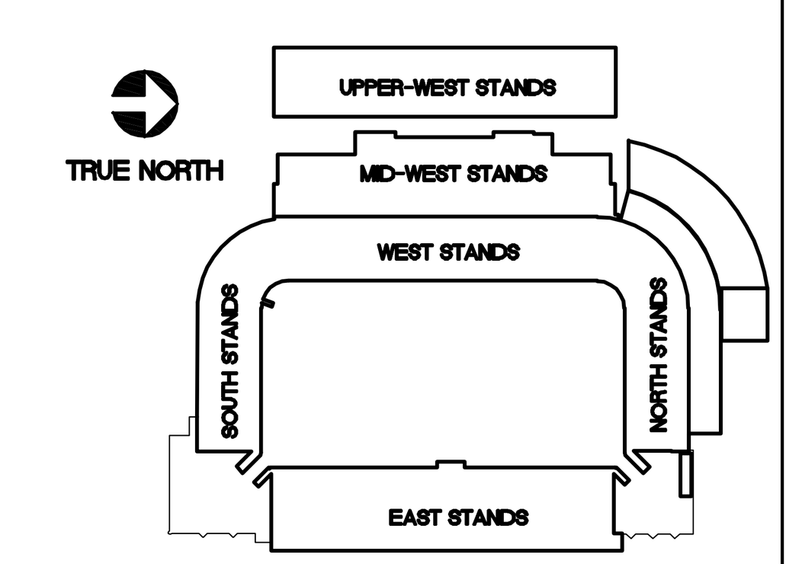
KEY NOTES

1. PROVIDE AND INSTALL FIVE COAX CONTROL CABLES IN EXISTING 3–4" CONDUITS. CONTROL CABLES SHALL BE W–1234 TYPE (.168 OD).
2. NEW PULL BOX AS DESCRIBED ON E1–02.
3. EXISTING PULL BOX TO REMAIN AND UTILIZED FOR NEW CABLES.
4. EXISTING 3–4" ROUTING UNDER NORTH STANDS. UTILIZE CONDUITS FOR NEW CABLES.
5. INSTALL 3 CONTROL CABLES IN EXISTING CONDUITS UP TO EXISTING SCOREBOARD 30 FT APPROX.
6. INSTALL THE REMAINING 2 CONTROL CABLES IN EXISTING CONDUITS AND ROUTE THEM TO EXISTING DELAY OF GAME CLOCK.

GENERAL NOTES

1. THIS CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE SYSTEM OPERABILITY. THE SCOREBOARDS ARE UNDER A WARRANTEE BY DAKTRONICS INC. AND THE CONTRACTOR SHOULD CONTRACT AND COORDINATE ALL SCOREBOARD WORK WITH DAKTRONICS, INC.
2. FINAL TERMINATION AND CONNECTIONS ARE TO ADMINISTERED BY DAKTRONICS, INC.
3. DAKTRONICS, INC. CAN BE CONTACTED AT CONNECTICUT OFFICE (860)529–4990 OR ALBANY, NY OFFICE (518)482–2969
4. ALL CLOCKS AND SCOREBOARDS AFFECTED WILL BE TESTED AND MUST BE OPERATIONAL ONE WEEK PRIOR TO ANY GAME OR EVENT.

1 E1-01 **COMMUNICATION CABLES ROUTING PLAN**
SCALE: 1/16" = 1'–0"



KEY PLAN
N.T.S.

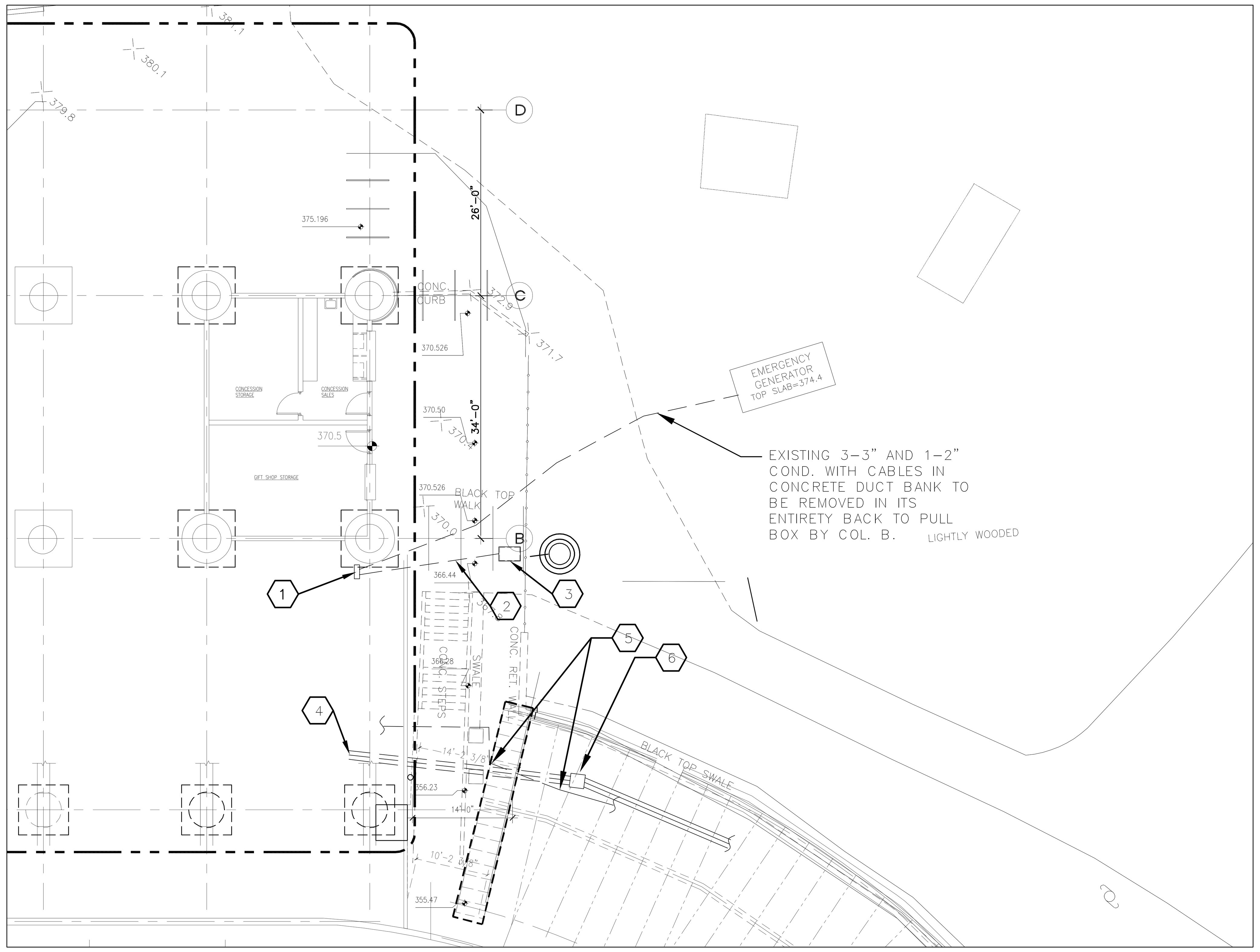
US Army Corps of Engineers
New York District

Supervised by: | Designed by: PS | Checked by: TS | Plotted by: | Drawn by: MA | Checked by: MS | Design file: | Serial No: | Scale: AS NOTED | Project ID: | File No: 7687-16494 | Size: 30x42

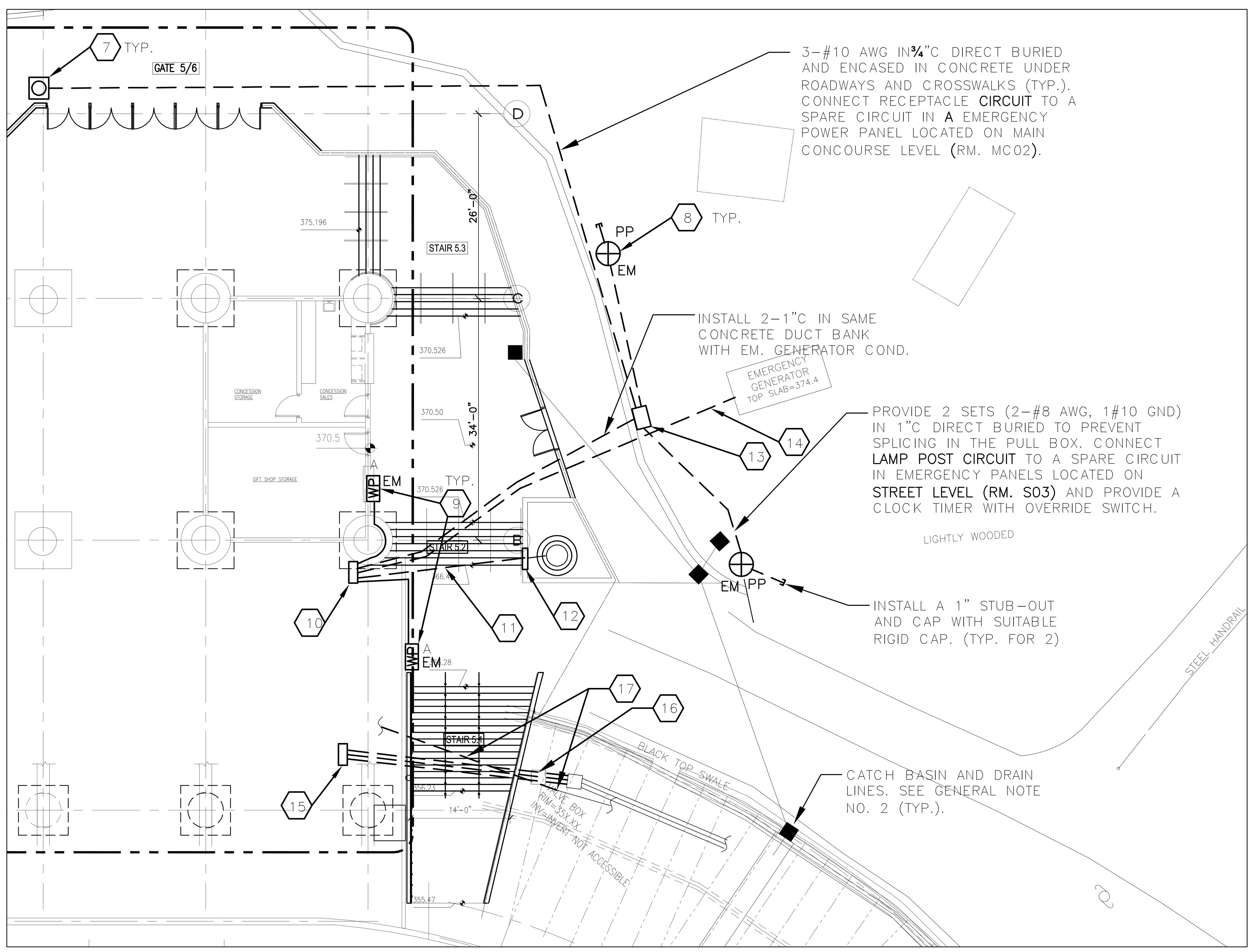
URS
SAN FRANCISCO
WAYNE
PARAMUS
NYC
BUFFALO

PROJECT TITLE: BID
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA – STONY LONESOME ROAD, WEST POINT, NEW YORK
CABLE ROUTING PLAN

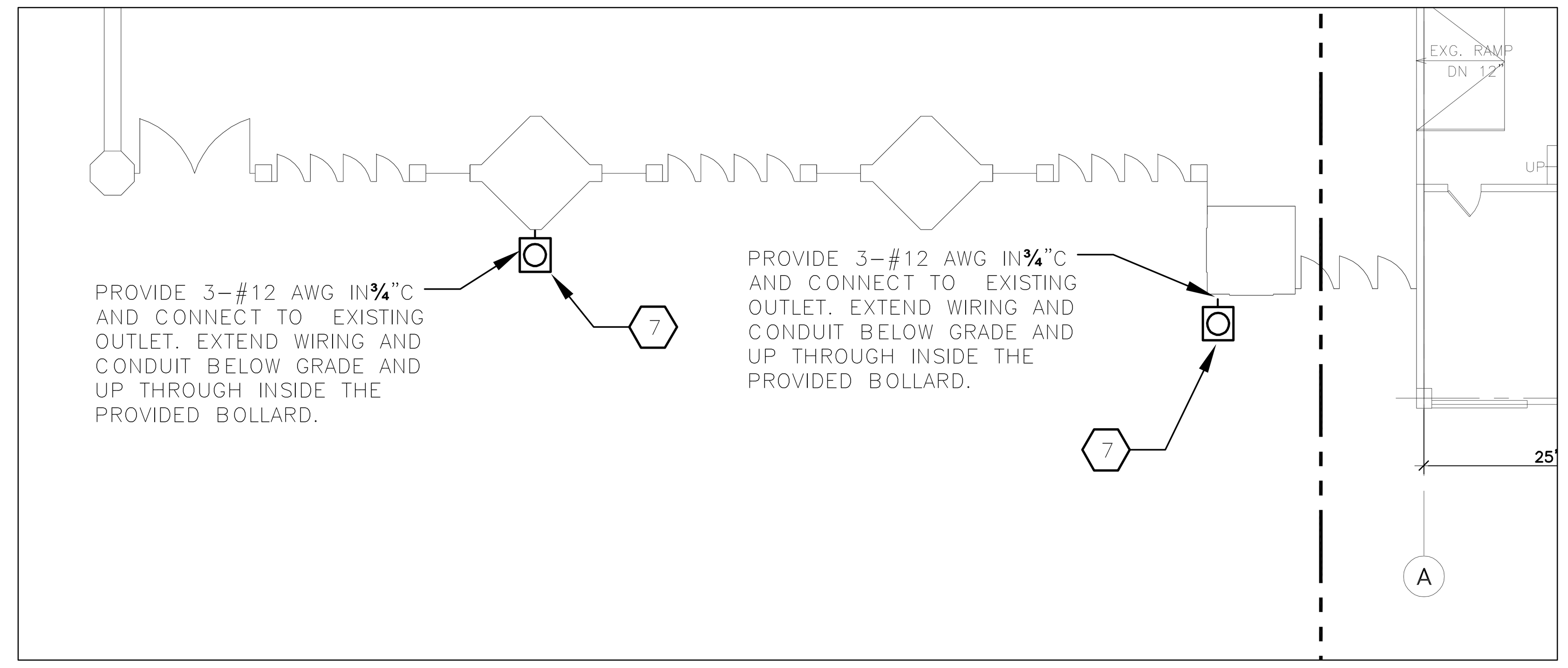
DRAWING
E1-01



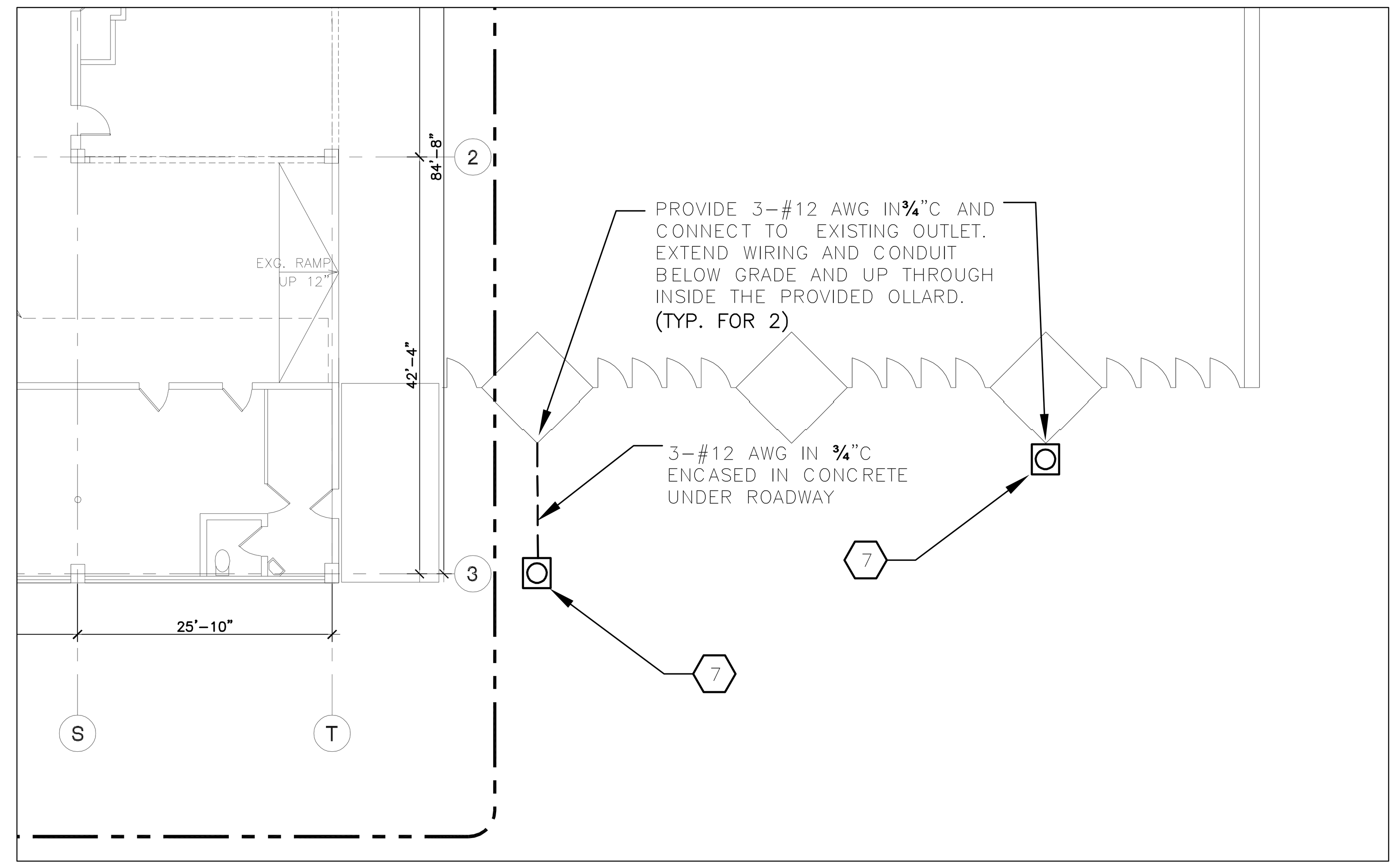
1 DEMOLITION AT STAIR 5.1
E1-02 SCALE: 3/32" = 1'-0"



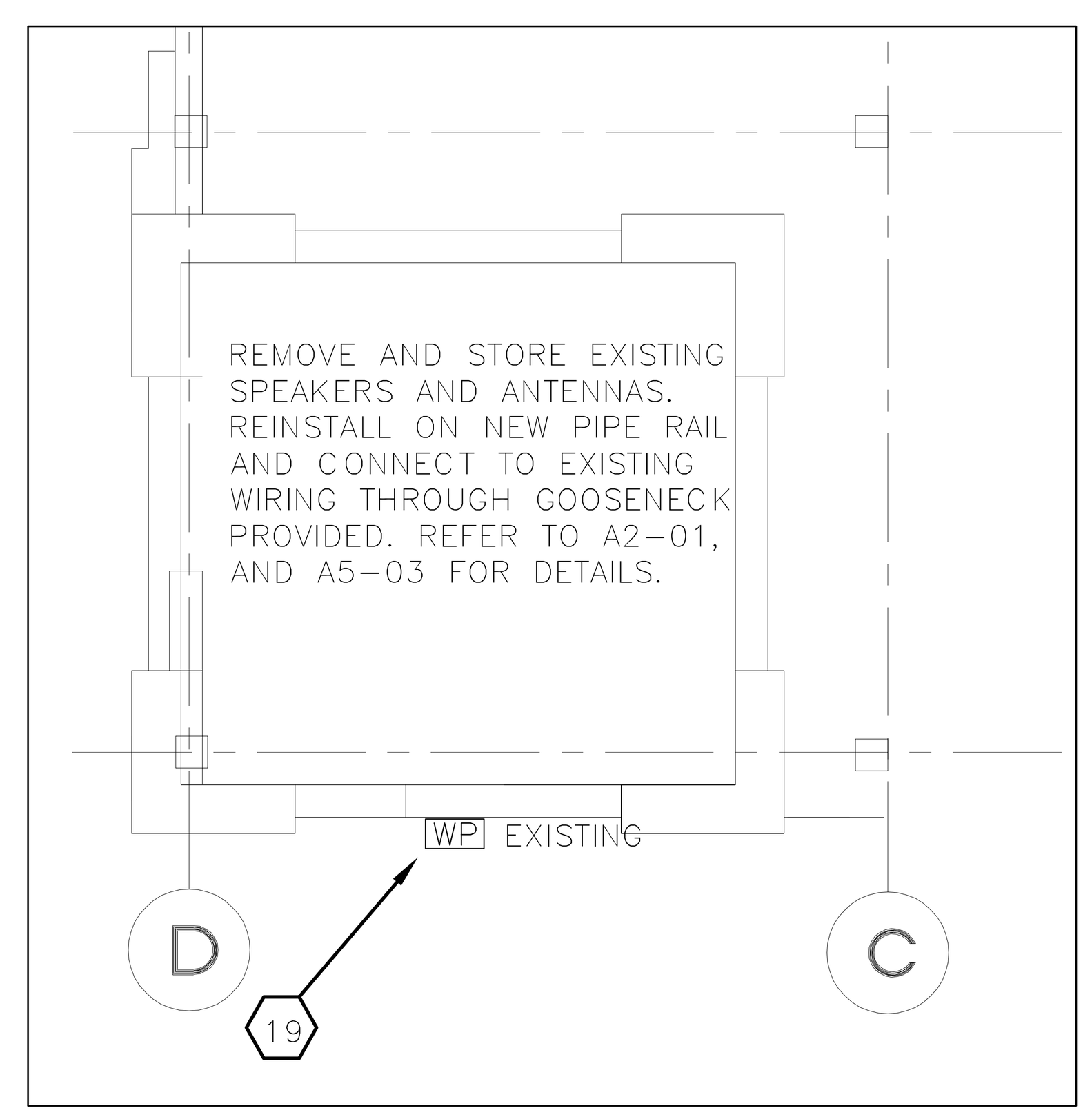
2 PROPOSED ELECTRICAL WORK AT STAIR 5.1
E1-02 SCALE: 3/32" = 1'-0"



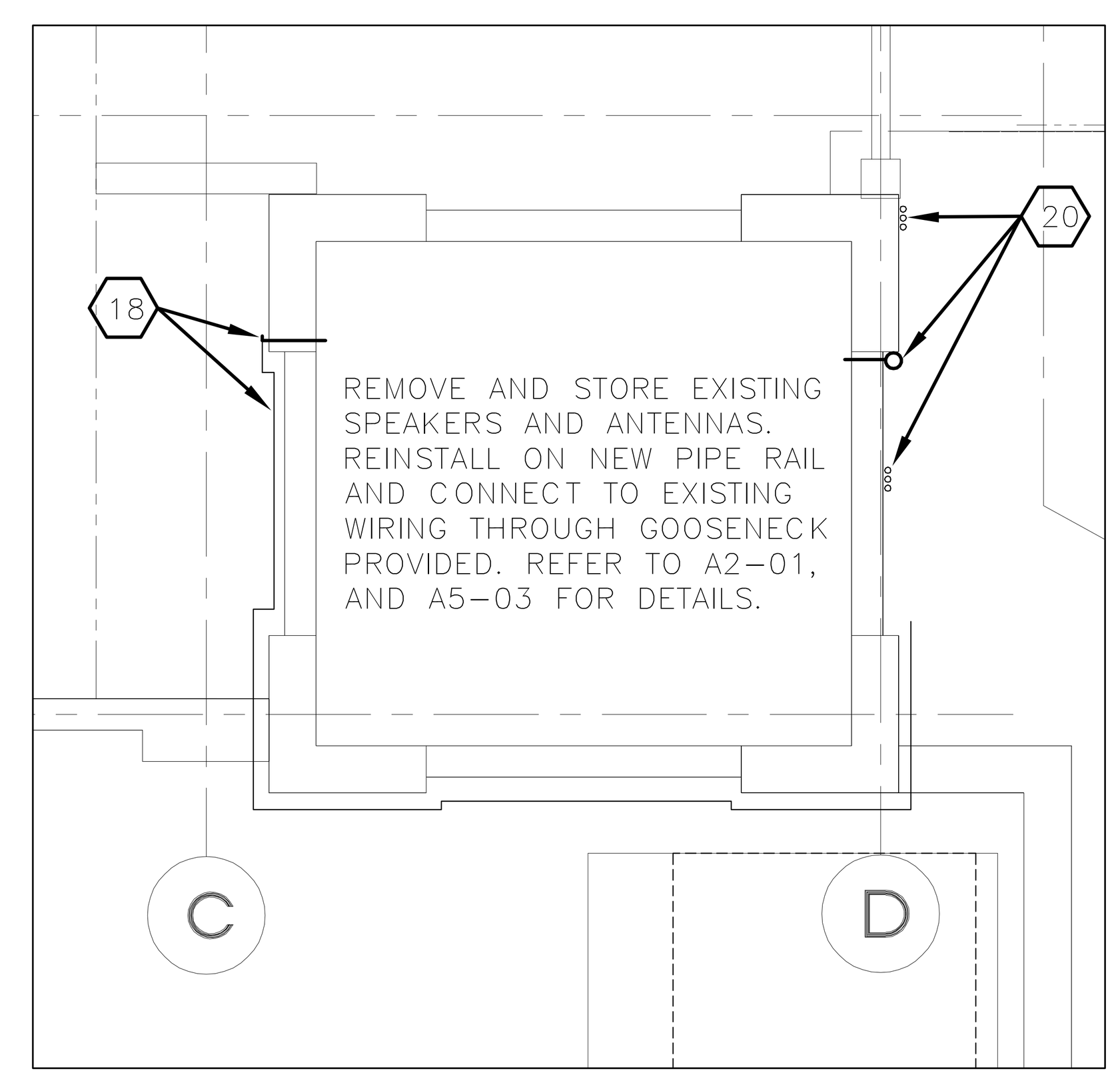
3 SECURITY GATE POWER • GATE 1
E1-02 SCALE: 3/32" = 1'-0"



4 SECURITY GATE POWER • GATE 3
E1-02 SCALE: 3/32" = 1'-0"



5 SOUTH TOWER
E1-02 SCALE: 3/16" = 1'-0"



6 NORTH TOWER
E1-02 SCALE: 3/16" = 1'-0"

KEY NOTES

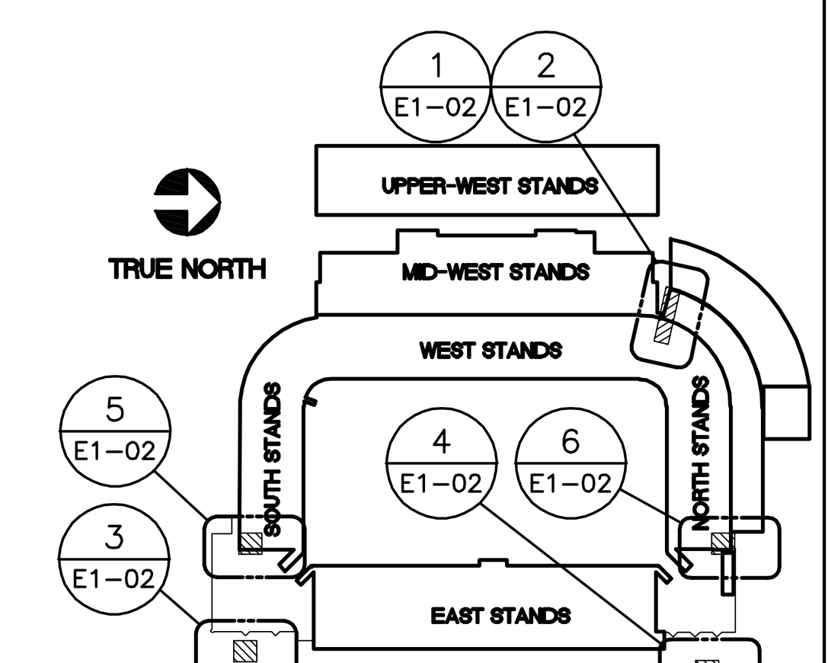
1. DISCONNECT AND REMOVE CABLES IN PULL BOX. PULL BACK ADEQUATE CABLES SLACK FOR SPLICE AND EXTENSION OF CABLES TO NEW LOCATION.
2. EXISTING 1-3" COND. WITH CABLES FEEDING LIGHT TOWER IN CONCRETE DUCT BANK TO BE REMOVED IN ITS ENTIRETY BETWEEN THE CONCRETE REINFORCED FIBER GLASS MANHOLE AND THE PULL BOX BY COL. B.
3. 2FTX3FT EXISTING MANHOLE TO BE REMOVED. TWO CONDUIT 1-2" AND 1-3" BETWEEN LIGHT TOWER AND MANHOLE TO REMAIN AND TO BE UTILIZED.
4. CUT 3-4" PVC CONDUITS AND REMOVE THE CONDUITS UP TO 10FT NORTH OF NEW STAIR 5.1. REMOVE ALL FIVE COAX HOMERUN CABLES BETWEEN THE SCOREBOARD AND THE 30 SECOND TIME CLOCK TO THE PRESS BOX.
5. FIVE MIXED ELECTRICAL CONDUITS (1" AND 1½"). CUT CONDUITS AND CABLES 5 FT SOUTH OF NEW STAIR 5.1 AND REMOVE THEM UP TO 15FT BEYOND NEW STAIR 5.1.
6. EXISTING PULL BOX TO REMAIN.
7. FURNISH AND INSTALL 20 AMP GROUNDED TYPE COMMERCIAL GRADE RECEPTACLE, AND INSTALL IN FD TYPE BOX WITH WEATHER PROOF GASKET COVER. RECEPTACLE ASSEMBLY SHALL BE MOUNTED ON BOLLARD . FOR BOLLARD DETAIL REFER TO ARCHITECTURAL DRAWINGS. (TYP. FOR 5 LOCATIONS)
8. WEST POINT LAMP POST STANDARD FIXTURE WITH 175W MH LAMP STOCK # 400H0000 WITH 12 FT LAMP POLE AS DESCRIBED ON FIRST SHEET. PROVIDE CONCRETE BASE AND ALL NECESSARY HARDWARE TO ERECT THE LAMP POST.
9. FURNISH AND INSTALL 250 MH WALL PACK LIGHTING FIXTURES WITH 3#10 THHN IN ¾" COND. CONNECT TO A SPARE CIRCUIT IN EMERGENCY PANELS LOCATED ON MIDDLE CONCOURSE AND PROVIDE A CLOCK TIMER WITH OVERRIDE SWITCH.
10. INSTALL 24"WX36"HX18"D NEMA 3R JUNCTION BOX. TERMINATE CONDUITS AND CABLES. MOUNT JUNCTION BOX AT 12" MIN. ABOVE FINISHED GRADE AND SUPPORT BY STEEL CHANNELS.
11. INSTALL LIGHT TOWER FEEDER IN 4" RGS UNDER NEW STAIRS. INSTALL NEW CABLES AND SPLICE IN BOTH SPICE BOXES TO RESTORE FEEDER TO ORIGINAL CONDITION.
12. FURNISH AND INSTALL IN THE CONCRETE WALL 18"HX14.5"WX9"D FIBERGLASS NEMA 4X ENCLOSURE AND TERMINATE THE 4" COND. IN THE BOTTOM, AND 2", 3" COND. IN THE BACK OF THE BOX. NOTE LEAVE 2" MIN. SPACE BETWEEN THE TOP OF THE 2" EXIST. COND. AND THE INSIDE TOP OF THE ENCLOSURE. THE ENCLOSURE SHALL BE RECESSED INTO THE CONCRETE WALL, AND CHAMFER 2" CORNER AROUND THE ENCLOSURE TO ALLOW THE REMOVAL AND FULL SWING OF THE ENCLOSURE COVER. FOR ADDITIONAL INFORMATION REFER TO ARCH. DWG's.
13. FURNISH AND INSTALL 2FTX3FTX2FT DEEP REINFORCED BOTTOMLESS CONCRETE PULL BOX AND PROVIDE CAST IRON COVER. BOND ALL CONDUITS AND PULL BOX COVER AS PER NEC.
14. INSTALL AND TERMINATE 3-4", 1-3" RGS COND.S AND NEW CABLES BETWEEN GENERATOR SET AND NEW SPLICE BOX BY COL. B. SPLICE FEEDER IN NEW SPLICE BOX TO RESTORE THE FEEDERS TO THE ORIGINAL CONDITION. CONTRACTOR SHALL TEST THE GENERATOR IN PRESENCE OF THE OWNER REPRESENTATIVE AND THE ENGINEER TO CONFIRM OPERABILITY.
15. INSTALL 24"X24"X12" PULL BOX, AND INSTALL 3-4" PVC CONDUIT BETWEEN THE PULL BOX AND THE REMAINING PART OF CONDUITS NORTH OF NEW STAIR 5.1. MOUNT JUNCTION BOX AT 12" MIN. ABOVE FINISHED GRADE AND SUPPORT BY STEEL CHANNELS.
16. INSTALL COMPLETE HOMERUN COAX CABLES FROM PRESS BOX TO SCOREBOARD AND DELAY OF GAME CLOCK. FOR ADDITIONAL INFORMATION AND ROUTING OF CABLES REFER TO E1-02.
17. INSTALL 12"X12"X6" SPLICE BOXES FOR EACH CONDUIT. SPLICE AND EXTEND ALL WIRING AND CONDUITS TO APPROX.. 15 FT NORTH OF NEW STAIR 5.1. PROVIDE ALL NECESSARY SPLICING AND PULL BOXES TO CONNECT BACK TO THE REMAINING PART OF THE CKTS AND COND.S

KEY NOTES

18. REMOVE EMT COND. OF THE PERIMETER OF NORTH TOWER AND REROUTE CONDUIT THROUGH THE INTERIOR SPACE AND CONNECT TO DELAY OF GAME CLOCK WITH RGS COND.
19. REMOVE EXISTING WALL PACK AND ALL ASSOCIATED CONDUIT AND WIRES.
20. CABLES ARE INSTALLED ON THE NORTH WALL IN A LOOSE MANNER. RELOCATE AND GROUP CABLES TOGETHER AND FASTEN TO THE CORNER OF NORTH TOWER AS SHOWN. REROUTE THROUGH TOWER AND ONTO ROOF THROUGH GOOSENECK. SEE ARCHITECTURALL DWG.S.

GENERAL NOTES

1. ALL PENETRATION SHALL BE PATCHED AND SEALED. PROVIDE FIREPROOFING SEAL WHERE REQUIRED. FOR SLEEVE PENETRATION DETAIL SEE ARCH. DWG's.
2. COORDINATE CONDUITS AND TRENCHES WITH OTHER TRADES. FOR TRENCH DETAILS REFER TO ARCH. DWG. CONDUITS THROUGH RETAING WALL SHALL BE INSTALLED IN SLEEVES.
3. ALL CABLES FROM THE PRESS BOX TO THE SCOREBOARD AND DELAY OF GAME CLOCK ARE ASSUMED TO BE COAX CABLES. IF DURING DEMO. CABLES ARE FOUND TO BE FIBER OPTIC, NOTIFY A/E AND PO.
4. COND. INSTALLED IN THE GROUND SHOULD COMPLY WITH NFPA 70, TABLE 300.5. AND TO BE BURIED AT 24" MIN. BFG.



KEY PLAN
N.T.S.

US Army Corps of Engineers
New York District

Symbol | Description | Date | Appr.

Plotted by | Scale AS NOTED | Pen Table | Drawn by: MA | Feature table | Color table | Checked by: MS | Design file | Size 30x42 | Serial No: | Project ID: | File No: 7687-16495 | Date 08.28.06
Supervised by: | Designed by: PS | Checked by: TS

SAN FRANCISCO
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URS

PROJECT TITLE: BID
MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA - STONY LONESOME ROAD WEST POINT, NEW YORK

PROPOSED ELECTRICAL WORK AT GATE 1, GATE 3, AND STAIRS 5.2

DRAWING
E1-02
36 OF 37

PLUMBING SYMBOLS AND ABBREVIATIONS

SYMBOL	DESCRIPTION
	EXISTING CW PIPING TO REMAIN
	EXISTING CW PIPING TO BE REMOVED
	DOMESTIC COLD WATER PIPING
	GATE VALVE
	HOSE BIBB
	PIPE TURNING DOWN
	PIPE TURNING UP
	CAP ON END OF PIPE
	CONNECT NEW TO EXISTING SERVICE
	CLEANOUT

DESCRIPTION	ABBREVIATION
COLUMN	COL.
CONCRETE	CONC.
CONNECTION	CONN.
CONTINUATION	CONT.
DETAIL	DET.
DOWN	DN.
ELEVATION	EL.
ELECTRIC	ELEC.
EXISTING	EXIST.
EXPOSED	EXP.
GENERAL CONSTRUCTION	G.C.
MINIMUM	MIN..
NOT IN THIS CONTRACT	N.I.C.
SPECIFICATION	SPEC.

PLUMBING GENERAL NOTES:

1. ALL NEW PLUMBING WORK SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE INTERNATIONAL PLUMBING CODE AS MODIFIED BY NEW YORK STATE AND LOCAL AUTHORITIES AND AGENCIES HAVING JURISDICTION.

2. BEFORE SUBMITTING PROPOSAL, BIDDERS SHALL CAREFULLY EXAMINE EXISTING FIELD CONDITIONS AND CONTRACT DRAWINGS OF ALL TRADES. SUBMISSION OF PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT REQUIRED EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR EXTRA LABOR, EQUIPMENT AND MATERIALS REQUIRED DUE TO EXISTING FIELD CONDITIONS, WHICH COULD HAVE BEEN FORESEEN, WILL NOT BE RECOGNIZED.

3. ALL EXISTING PIPING IS SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY IN FIELD ALL SIZES, LOCATIONS AND ELEVATIONS OF ALL NEW CONNECTION POINTS TO EXISTING PIPING. COORDINATE HIS WORK WITH ALL OTHER TRADES.

4. PROVIDE AT NO EXTRA COST, ALL ADDITIONAL PIPING AND FITTINGS REQUIRED TO OFFSET SYSTEM TO AVOID EXISTING/NEW STRUCTURAL, ARCHITECTURAL, MECHANICAL AND ELECTRICAL INTERFERENCES, WHETHER INDICATED OR NOT, BEFORE INSTALLING WORK.

5. THE CONTRACTOR SHALL NOT INTERRUPT ANY OF THE SERVICES OF THE EXISTING STADIUM WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER, AND SUCH INTERRUPTIONS SHALL BE AS BRIEF AS POSSIBLE, AND AT THE TIME AGREED TO WITH THE OWNER.

6. UNDER NO CIRCUMSTANCES WILL THIS CONTRACTOR, OR HIS WORKMEN, BE PERMITTED TO USE ANY PART OF THE BUILDING AS A SHOP EXCEPT AREAS DESIGNATED BY THE OWNER.

PLUMBING INSTALLATION CRITERIA:

EACH BIDDER SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.

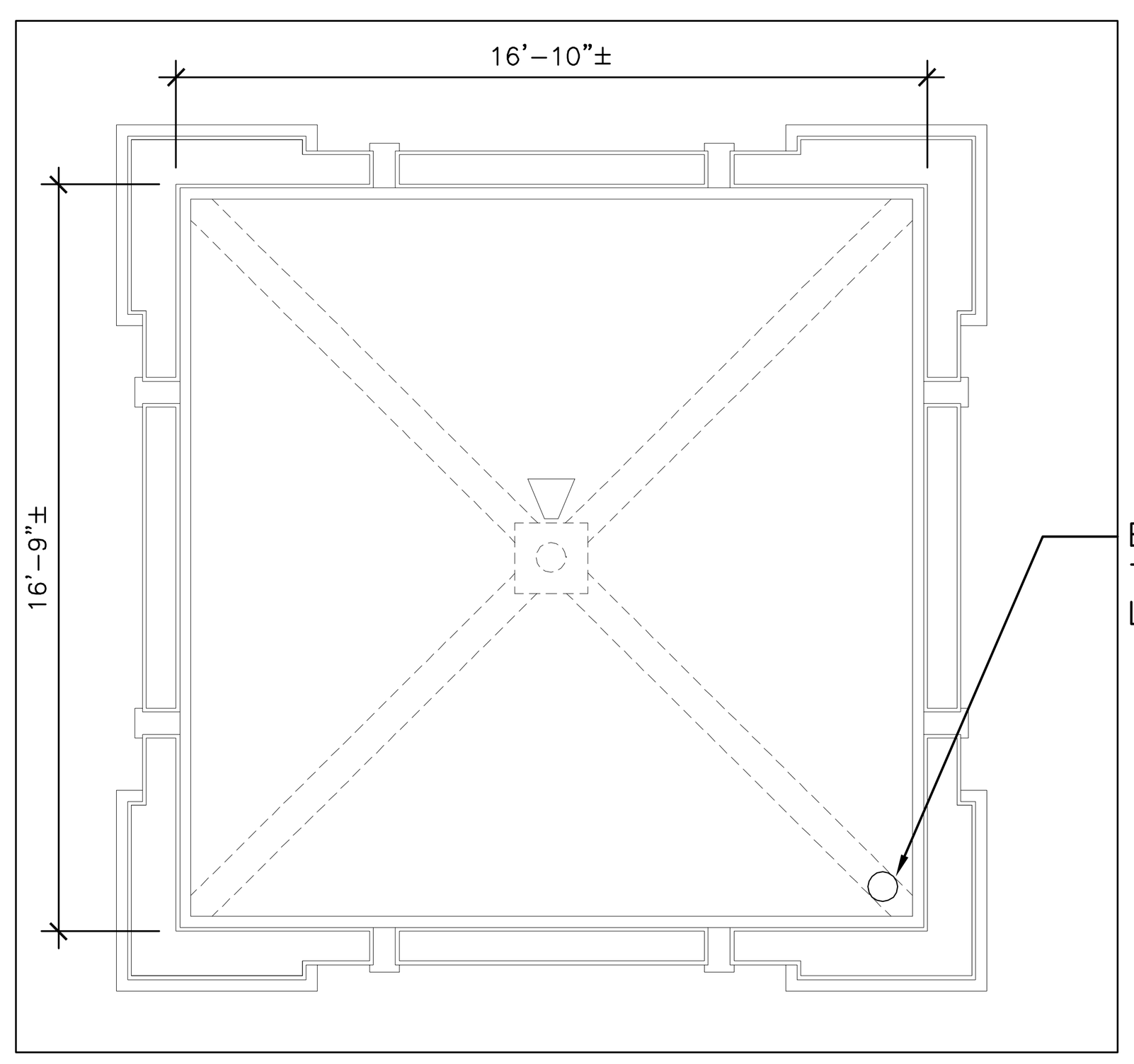
1. PROVIDE SHUT-OFF VALVES AS INDICATED ON PLANS.

2. ALL PIPING SHALL BE SUBSTANTIALLY SUPPORTED.

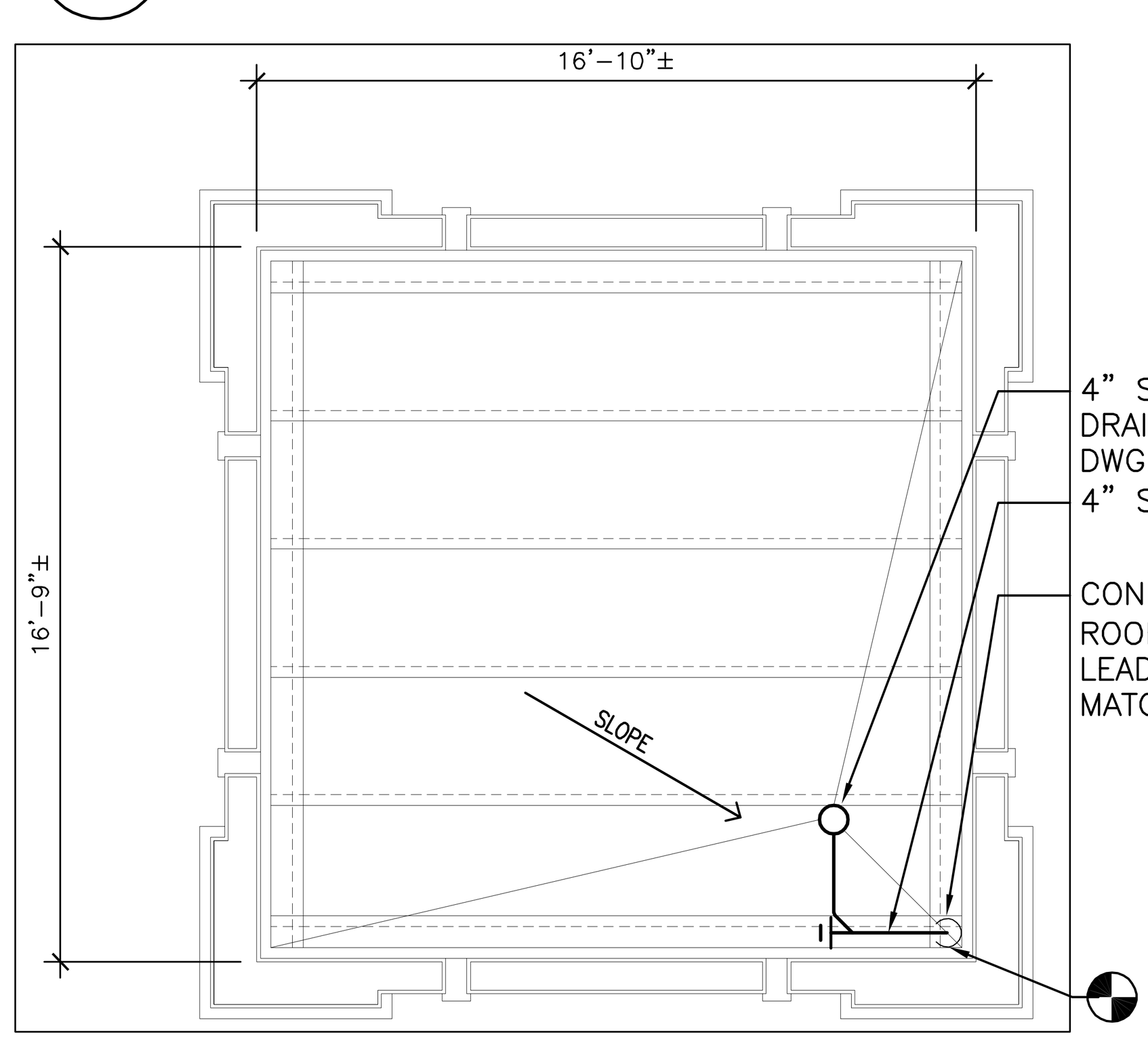
3. HANGER AND SUPPORTS SHALL BE SPECIFICALLY APPROVED FOR USE IN PLUMBING SYSTEMS.

4. CONTRACTOR SHALL INSTALL AND PITCH ALL NEW CW PIPING IN A MANNER SUCH THAT THE ENTIRE SYSTEM CAN BE DRAINED FOR WINTERIZATION.

5. THE EXACT LOCATION OF THE NEW CW PIPES SHALL BE COORDINATED WITH THE LOCATION OF THE NEW STAIR AND ANY OTHER EXISTING UTILITIES, INCLUDING ANY ELECTRICAL CONDUIT.



5 P1-01 EXISTING NORTH AND SOUTH TOWER ROOF PLAN-(TYPICAL)
SCALE: 1/4" = 1'-0"



5 P1-01 PROPOSED NORTH AND SOUTH TOWER ROOF PLAN-(TYPICAL)
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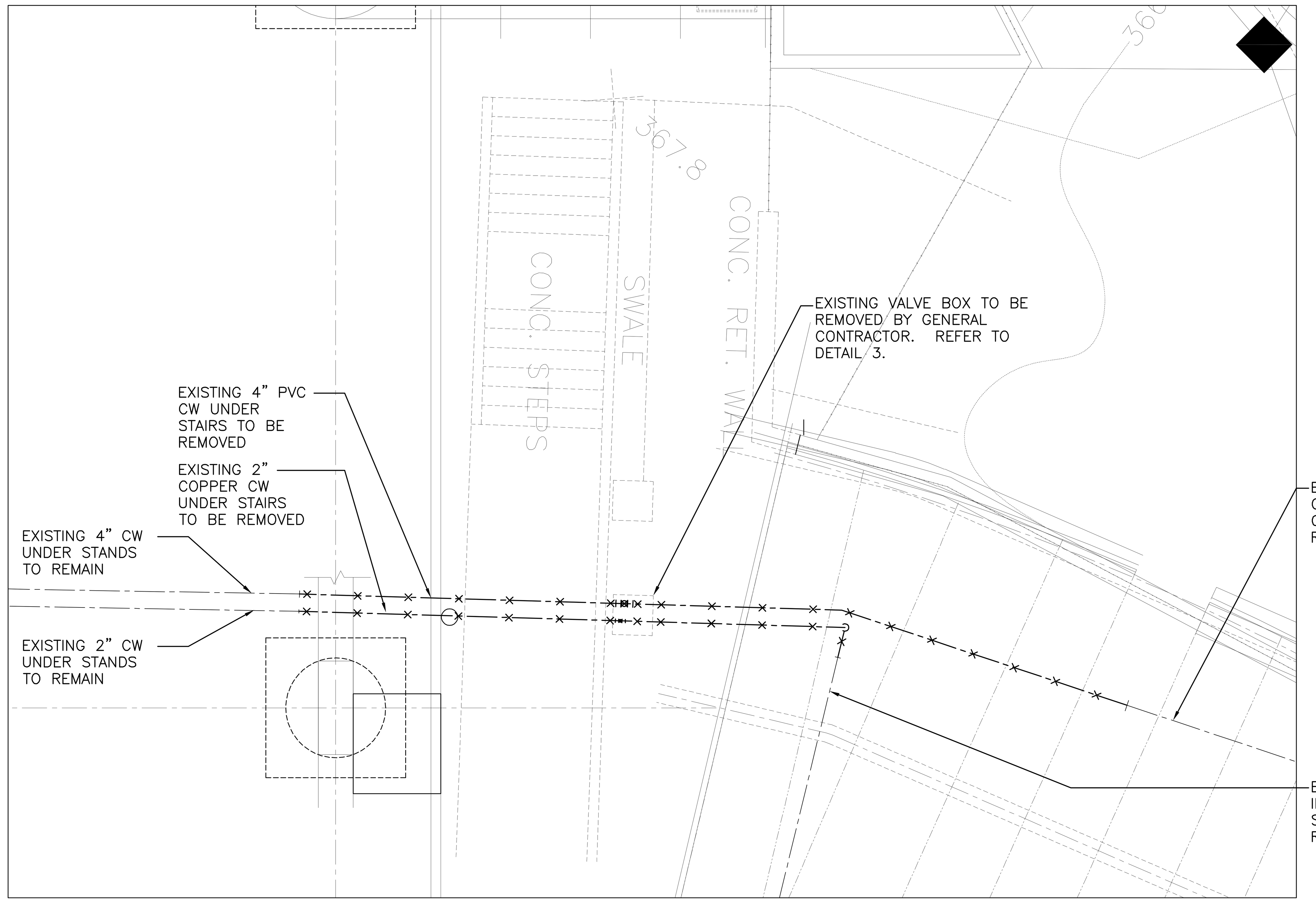

1 P1-01 STAIR 5.1- EXISTING
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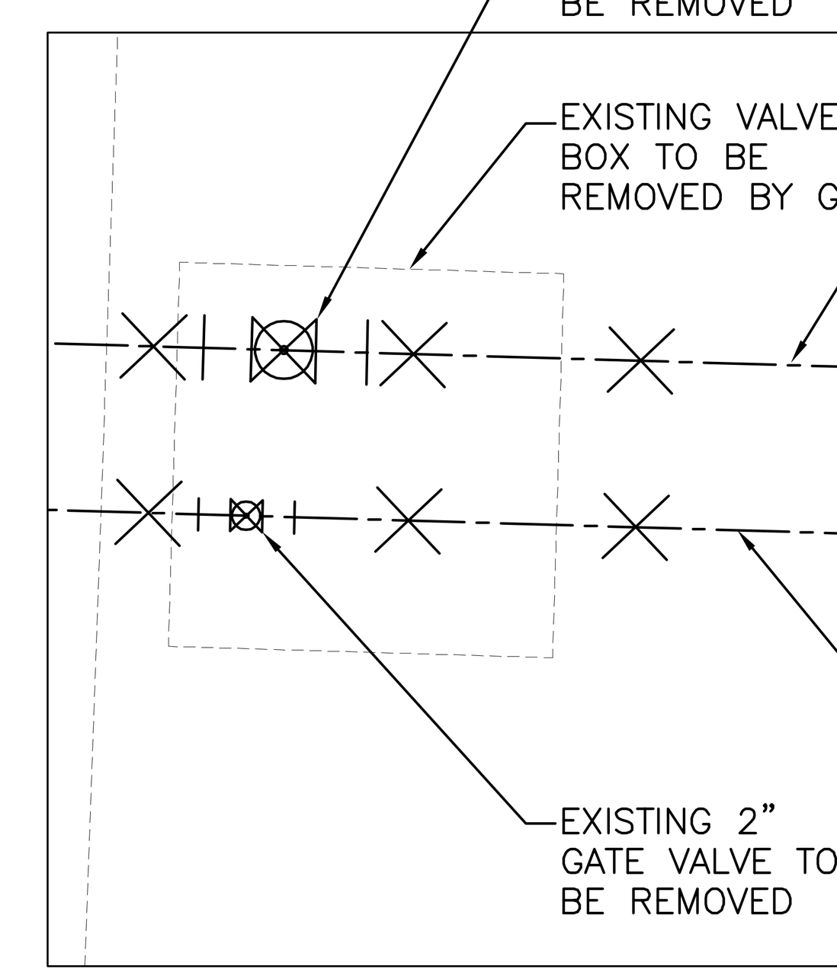
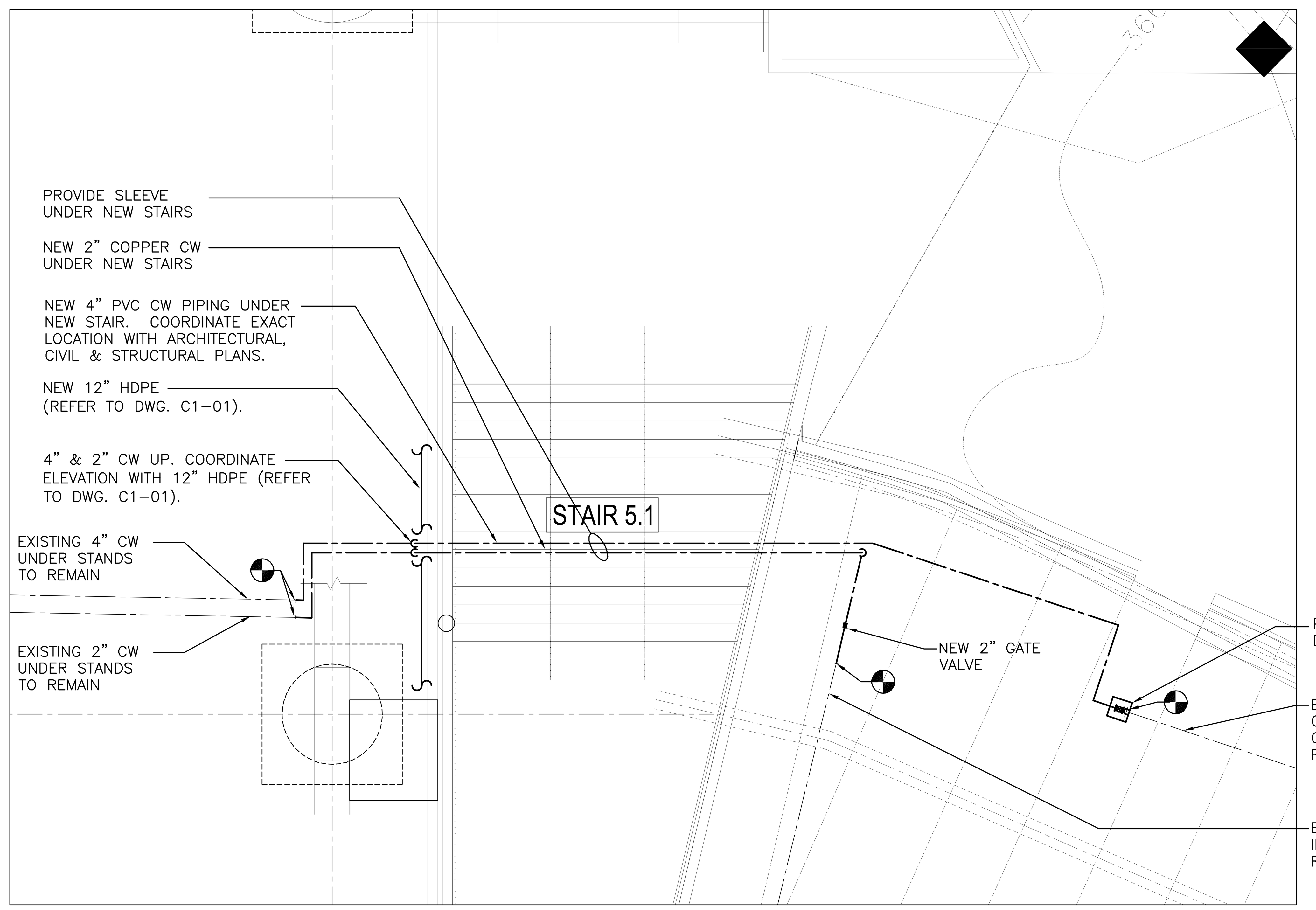


3 P1-01 EXISTING VALVE BOX
SCALE: 1" = 1'-0"



2 P1-01 STAIR 5.1- PROPOSED
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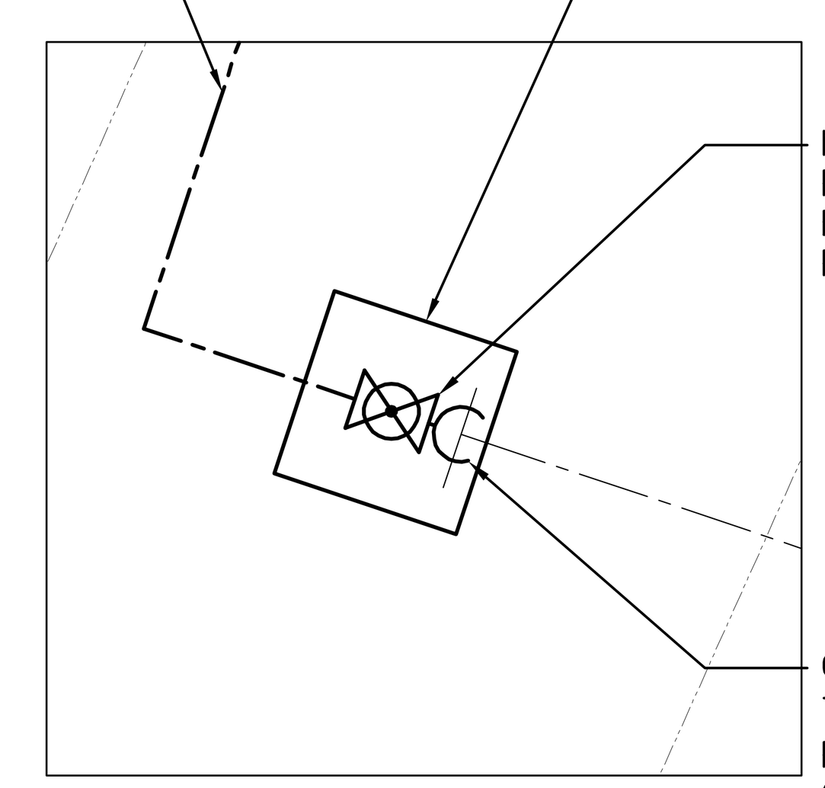

4 P1-01 PROPOSED VALVE BOX
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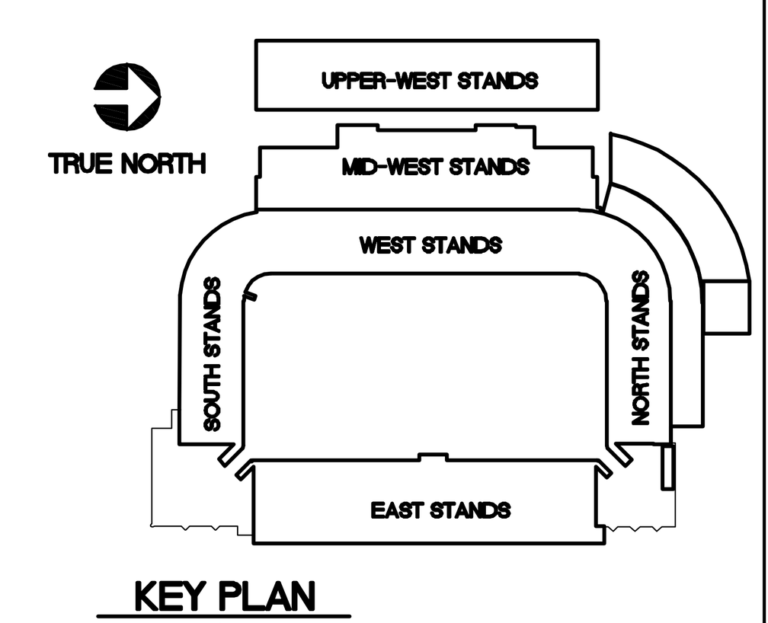

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MICHIE STADIUM - PHASE III
ARCHITECTURAL / STRUCTURAL RESTORATION
USMA - STONY LONESOME ROAD
WEST POINT, NEW YORK

PROPOSED PLUMBING
STAIR 5.1

DRAWING
P1-01